Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\

Quantitation Report (Not Reviewed)

Data File : VL032810.D
Acq On : 27 Nov 2018 16:51
Operator : SY/AP
Sample : VL1127ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Quant Time: Nov 28 03:14:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1388233	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3657128	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	4400879	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.60	95	2581382	7.84	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 78.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1897556	9.509	ppbv	99
3) Chlorodifluoromethane	3.02	51	1079856	9.812	ppbv	100
4) Chloromethane	3.18	50	580584	9.513	ppbv	96
5) Vinyl Chloride	3.30	62	599432	9.270	ppbv	99
6) Bromomethane	3.53	94	395185	9.990	ppbv	95
7) Chloroethane	3.61	64	235241	10.093	ppbv	99
8) Dichlorotetrafluoroethane	3.23	85	1518728	9.658	ppbv	97
9) Propene	3.05	41	437548	9.934	ppbv	99
10) Heptane	8.26	43	1813000	10.782	ppbv	99
11) Trichlorofluoromethane	4.01	101	2274399	12.094	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1575186	10.255	ppbv	97
13) Ethanol	3.66	45	112489	7.798	ppbv	98
14) Bromoethene	3.80	108	681075	13.365	ppbv	99
15) Acetone	3.91	43	1403352	11.069	ppbv	100
16) 1,3-Butadiene	3.37	39	478652	9.749	ppbv	89
17) tert-Butyl alcohol	4.37	59	452893	11.390	ppbv	100
18) 1,1-Dichloroethene	4.36	96	817780	10.827	ppbv	94
19) Isopropyl Alcohol	4.03	45	1041346	12.330	ppbv	100
20) Methylene Chloride	4.42	84	709699	10.813	ppbv	99
21) Allyl Chloride	4.49	41	1205709	11.317	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	821585	11.139	ppbv	96
23) Vinyl Acetate	5.17	43	2433111	10.529	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1882980	10.249	ppbv	99
25) Ethyl Acetate	5.78	43	3005107	10.170	ppbv	100
26) Hexane	5.79	57	1385801	10.536	ppbv	100
27) Carbon Disulfide	4.63	76	1921505	11.521	ppbv	99
28) Methyl tert-Butyl Ether	5.13	73	2294786	10.940	ppbv	100
29) Chloroform	5.87	83	2489079	10.617	ppbv	98
30) Cyclohexane	7.26	84	1268794	11.029	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1418256	10.725	ppbv	97
32) 1,1,1-Trichloroethane	6.63	97	2537558	9.875	ppbv	99
34) 2-Butanone	5.34	43	1895281	9.992	ppbv	99
35) Carbon Tetrachloride	7.15	117	2743971	9.333	ppbv	99
36) Benzene	7.02	78	2996258	10.289	ppbv	98
37) 1,2-Dichloroethane	6.43	62	1867740	9.527	ppbv	99
38) Trichloroethene	7.98	130	1241473	10.534	ppbv	97
39) 1,2-Dichloropropane	7.75	63	1109494	9.999	ppbv	97
40) 1,4-Dioxane	7.97	88	426828	10.770	ppbv	84
41) Tetrahydrofuran	6.16	42	1157176	10.636	ppbv	99
42) Bromodichloromethane	7.93	83	2664428	10.026	ppbv	98
43) Methyl Methacrylate	8.16	69	1193329	10.976	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\

Quantitation Report (Not Reviewed)

Data File : VL032810.D
Acq On : 27 Nov 2018 16:51
Operator : SY/AP
Sample : VL1127ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Quant Time: Nov 28 03:14:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5020595	10.316	ppbv		100
45) t-1,3-Dichloropropene	9.43	75	1747604	11.979	ppbv		98
46) cis-1,3-Dichloropropene	8.85	75	2006460	11.384	ppbv		96
47) 1,1,2-Trichloroethane	9.63	97	1366243	10.413	ppbv		96
48) Dibromochloromethane	10.47	129	2355697	10.564	ppbv		99
49) Bromoform	13.22	173	2040398	11.079	ppbv		100
50) 4-Methyl-2-Pentanone	8.89	43	3089017	10.427	ppbv		100
51) 2-Hexanone	10.29	43	2150060	11.265	ppbv	#	99
52) Tetrachloroethene	11.39	164	1102030	10.878	ppbv		97
53) Toluene	9.97	91	3534787	11.635	ppbv		100
54) 1,2-Dibromoethane	10.78	107	1990475	10.732	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1666240	8.118	ppbv		99
57) Chlorobenzene	12.32	112	2701276	8.018	ppbv		99
58) Ethyl Benzene	12.88	91	4782609	9.030	ppbv		96
59) m/p-Xylene	13.15	91	4023063	8.533	ppbv	#	31
60) o-Xylene	13.87	91	3934714	8.300	ppbv		99
61) Styrene	13.70	104	2959276	9.589	ppbv		99
62) Isopropylbenzene	14.84	105	5650631	8.818	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.86	83	2733142	7.396	ppbv		99
64) n-propylbenzene	15.74	120	1441687	8.554	ppbv		97
65) tert-Butylbenzene	16.93	119	4981299	8.672	ppbv		98
66) Benzyl Chloride	17.18	91	2783164	8.764	ppbv		99
67) sec-Butylbenzene	17.48	105	6920560	8.360	ppbv		100
69) p-Isopropyltoluene	17.84	119	5664314	8.605	ppbv		99
70) n-Butylbenzene	18.73	91	5613158	8.398	ppbv		99
71) 2-Chlorotoluene	15.64	91	4148019	8.680	ppbv		99
72) 4-Ethyltoluene	16.02	105	4538955	8.735	ppbv		99
73) 1,3,5-Trimethylbenzene	16.18	105	4321028	8.505	ppbv		100
74) 1,2,4-Trimethylbenzene	16.95	105	4386143	8.068	ppbv		93
75) 1,3-Dichlorobenzene	17.19	146	2488301	7.979	ppbv		99
76) 1,4-Dichlorobenzene	17.33	146	2413074	8.284	ppbv		100
77) 1,2-Dichlorobenzene	18.01	146	2395701	8.304	ppbv		99
78) Hexachloro-1,3-Butadiene	23.56	225	1201061	7.714	ppbv		99
79) Naphthalene	22.43	128	3292025	9.217	ppbv		100
80) Naphthalene,2-methyl-	25.13	142	779238	8.711	ppbv		99
81) 1,2,4-Trichlorobenzene	22.16	180	1673730	9.332	ppbv		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

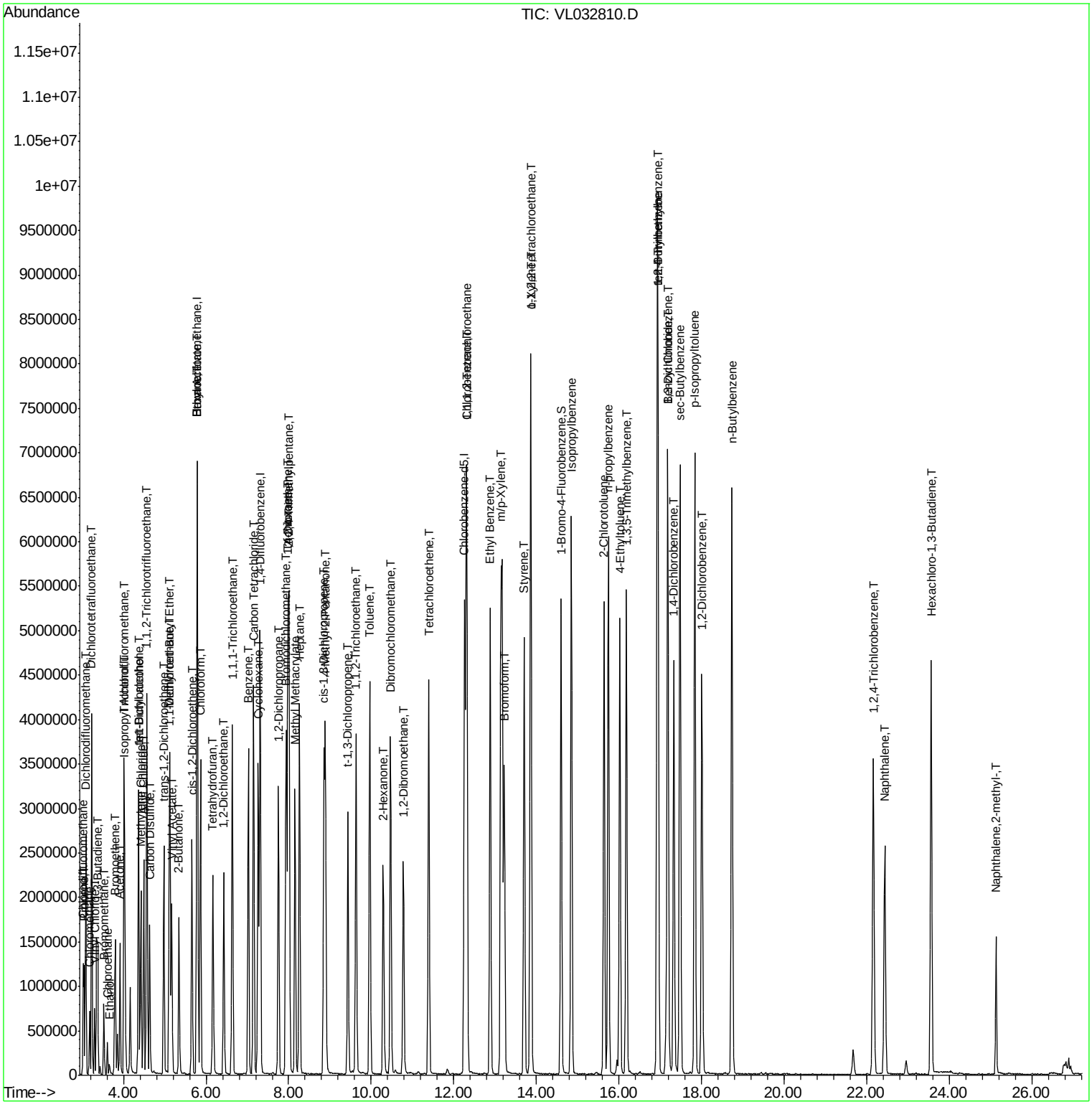
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\

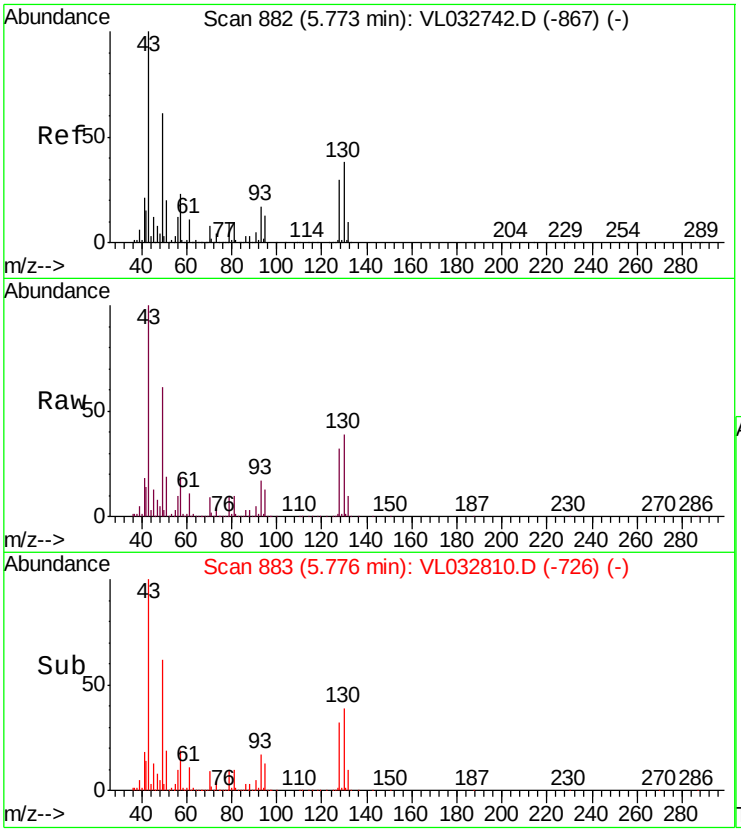
Quantitation Report (Not Reviewed)

Data File : VL032810.D
Acq On : 27 Nov 2018 16:51
Operator : SY/AP
Sample : VL1127ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Quant Time: Nov 28 03:14:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration



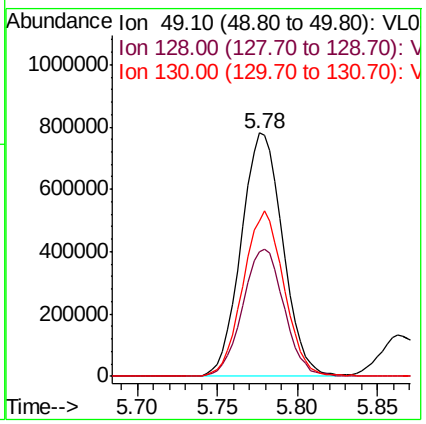


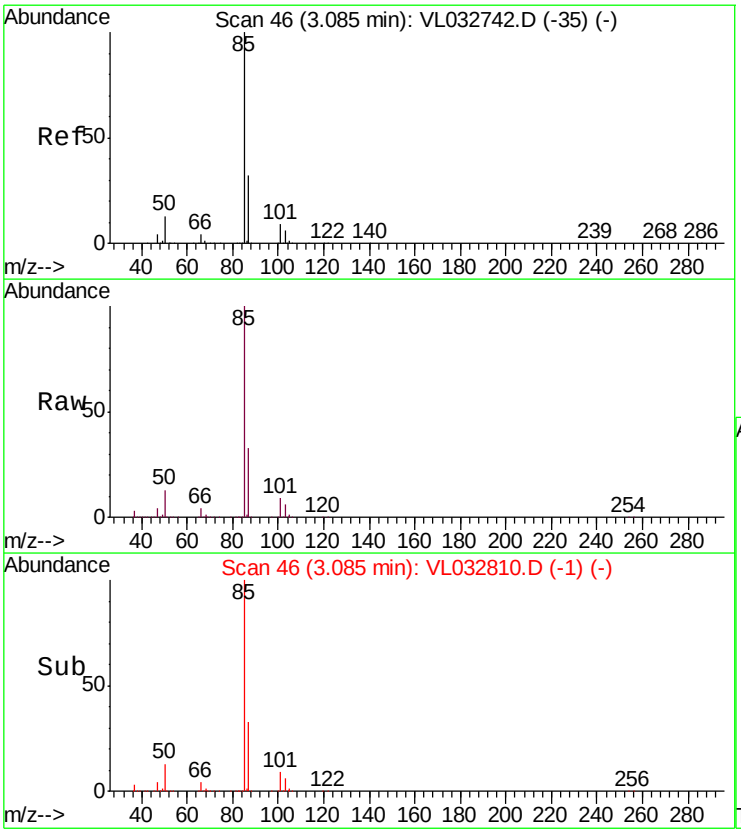
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 49 Resp: 1388233

Ion	Ratio	Lower	Upper
49	100		
128	52.2	24.9	74.6
130	67.1	31.4	94.2

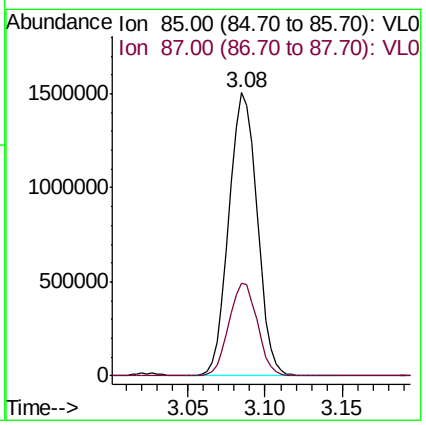


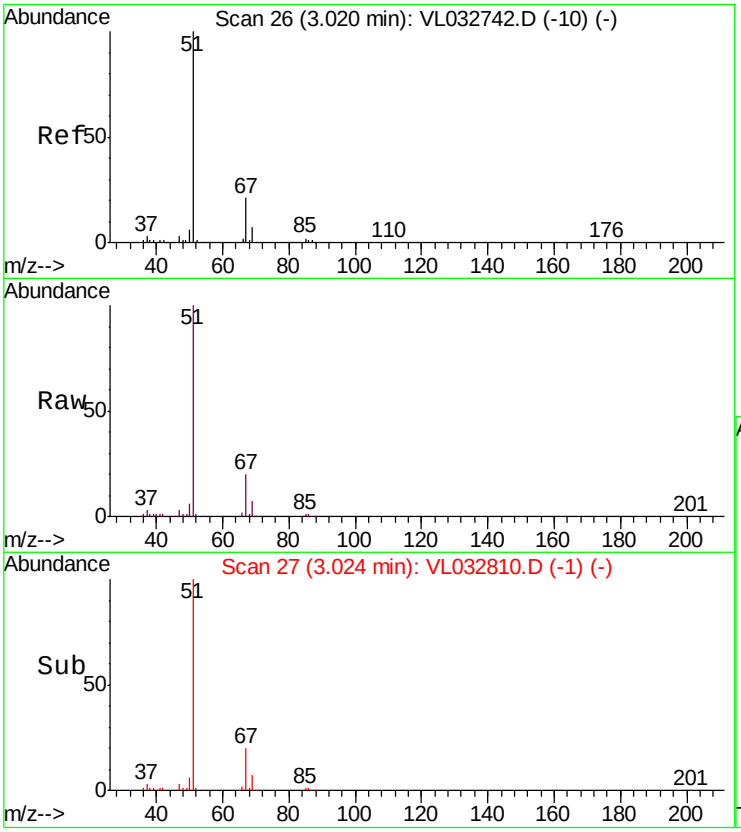


#2
Dichlorodifluoromethane
Concen: 9.509 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 85 Resp: 1897556

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.0	39.0



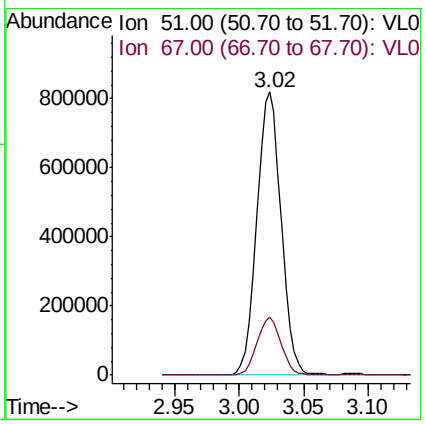


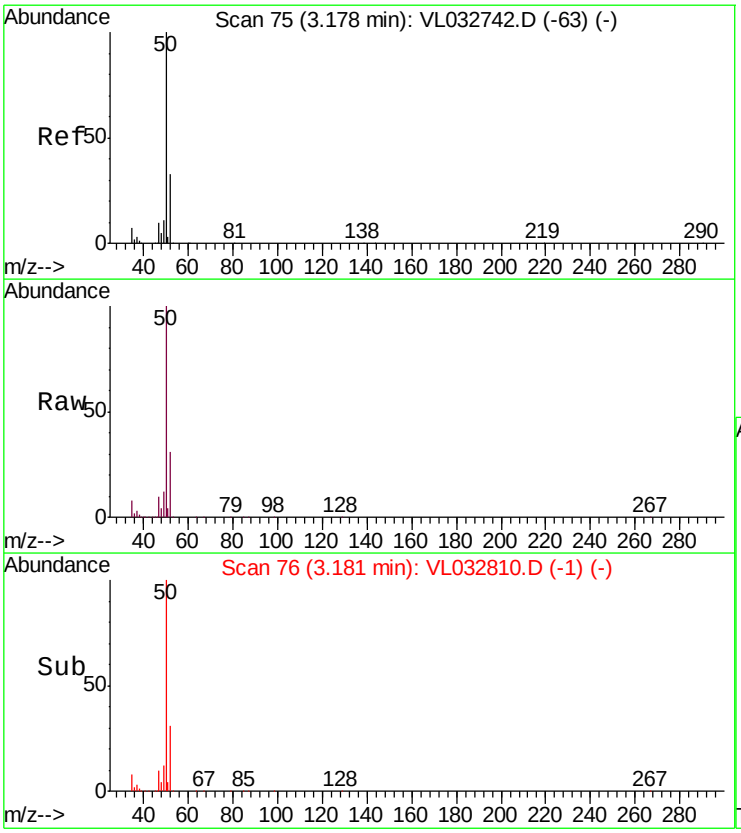
#3
Chlorodifluoromethane
Concen: 9.812 ppbv
RT: 3.02 min Scan# 27
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion: 51 Resp: 1079856

Ion	Ratio	Lower	Upper
51	100		
67	20.0	16.1	24.1

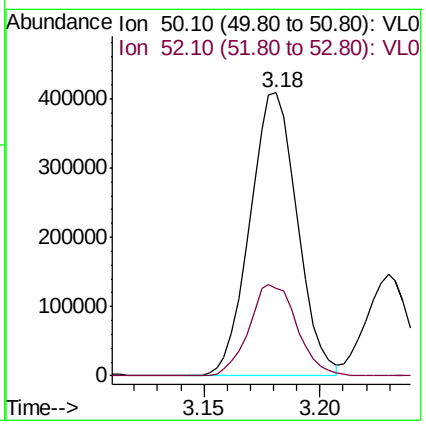


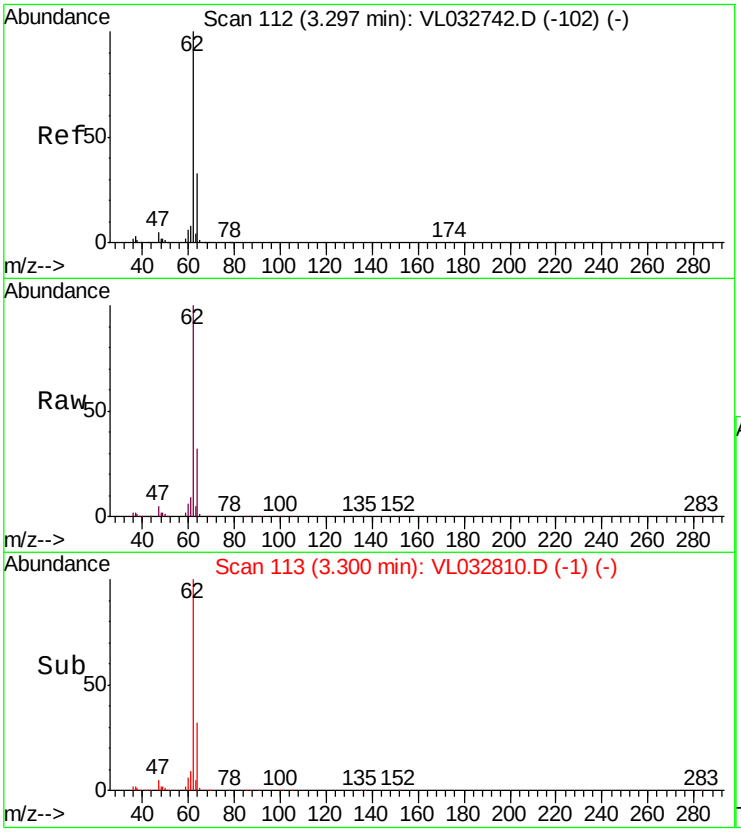


#4
Chloromethane
Concen: 9.513 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 50 Resp: 580584

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	40.0



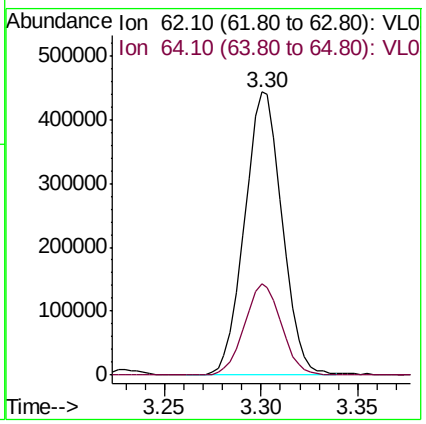


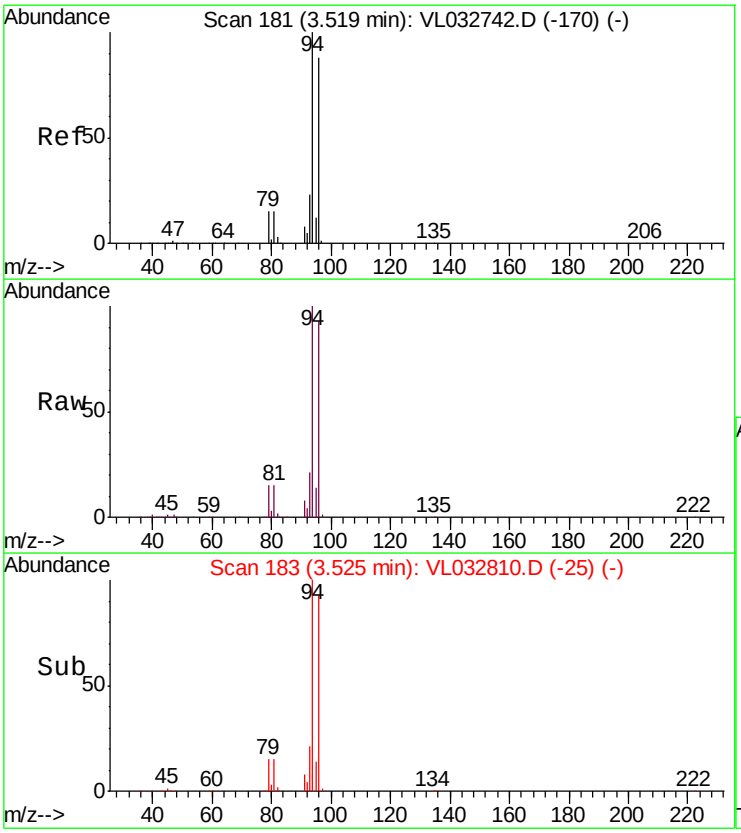
#5
Vinyl Chloride
Concen: 9.270 ppbv
RT: 3.30 min Scan# 113
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 62 Resp: 599432

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.4

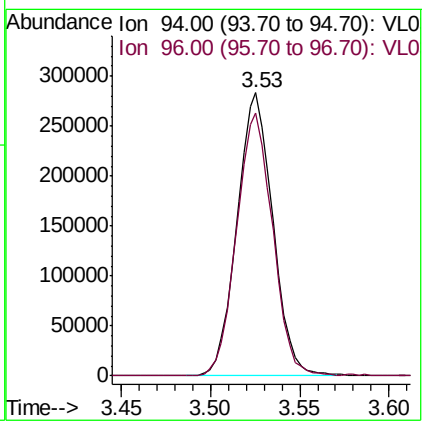


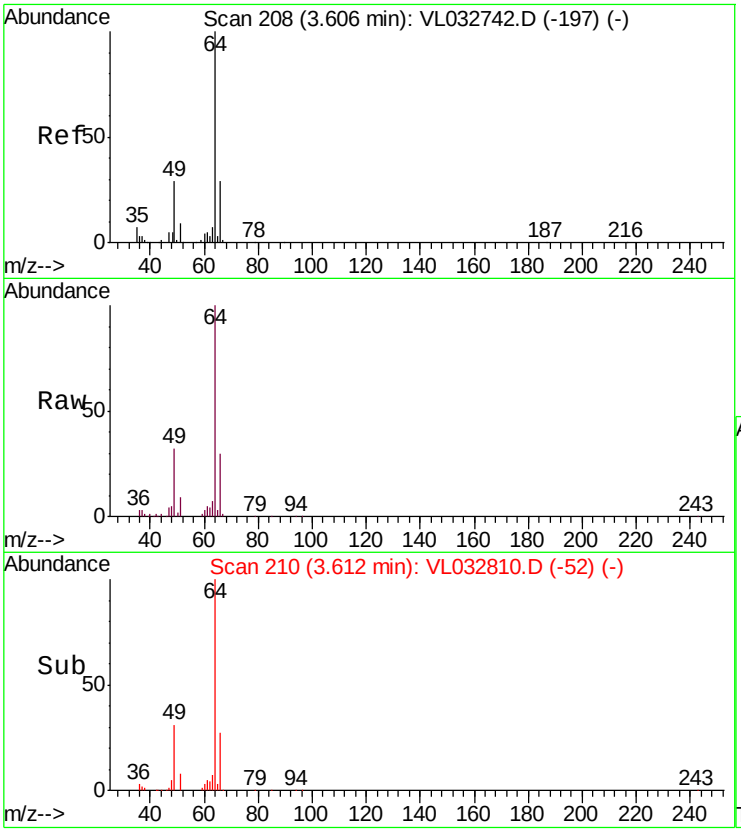


#6
Bromomethane
Concen: 9.990 ppbv
RT: 3.53 min Scan# 183
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 94 Resp: 395185

Ion	Ratio	Lower	Upper
94	100		
96	92.8	70.2	105.2



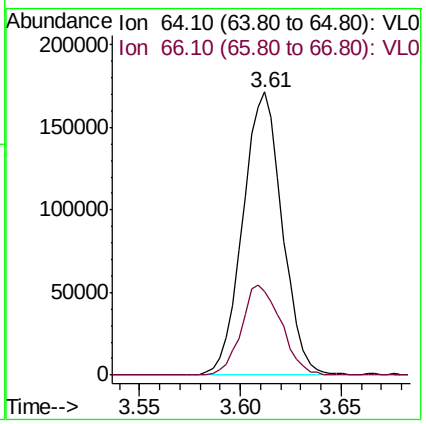


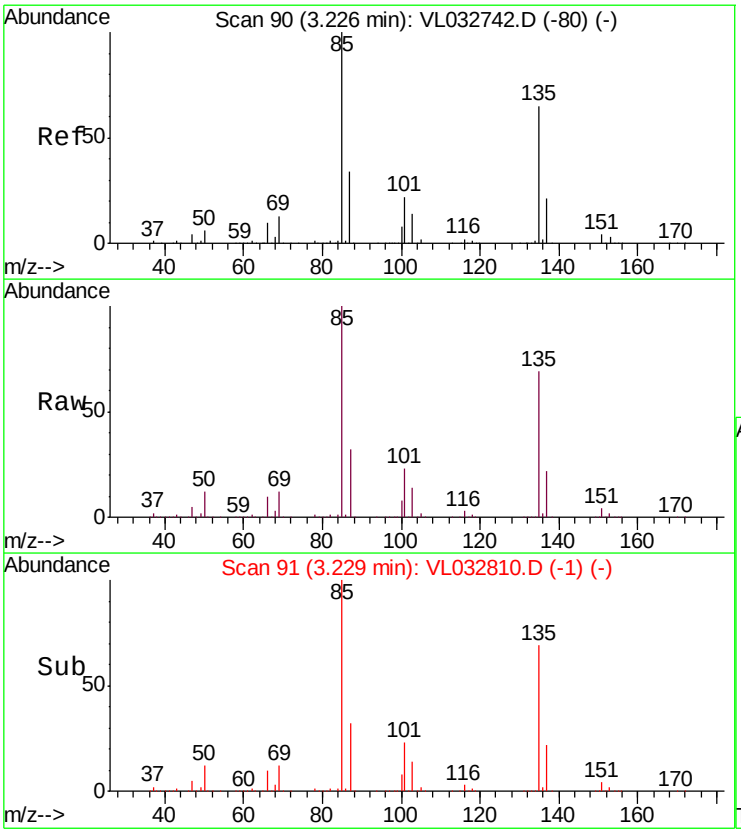
#7
Chloroethane
Concen: 10.093 ppbv
RT: 3.61 min Scan# 210
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 64 Resp: 235241

Ion	Ratio	Lower	Upper
64	100		
66	29.6	23.2	34.8

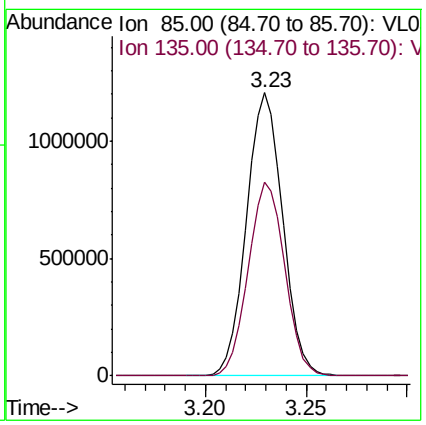


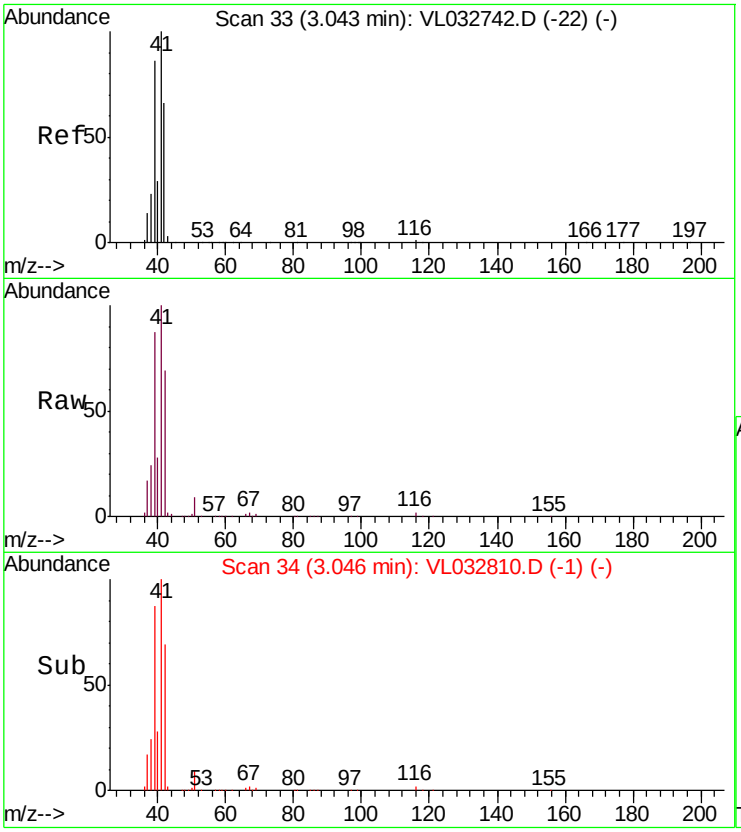


#8
Dichlorotetrafluoroethane
Concen: 9.658 ppbv
RT: 3.23 min Scan# 91
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 85 Resp: 1518728

Ion	Ratio	Lower	Upper
85	100		
135	69.4	53.8	80.8



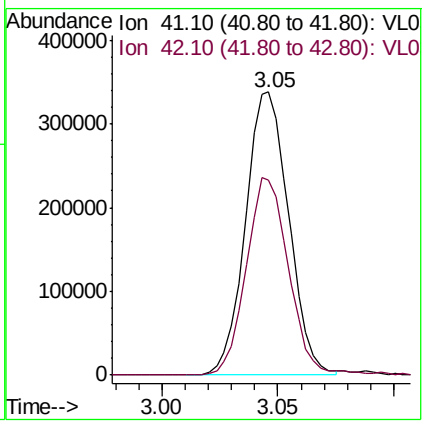


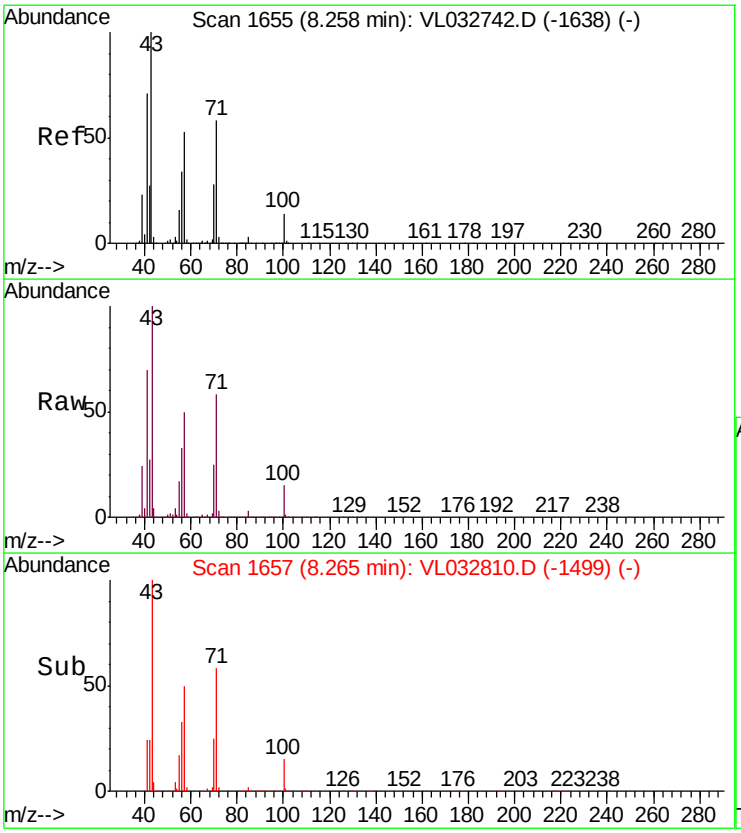
#9
Propene
Concen: 9.934 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 41 Resp: 437548

Ion	Ratio	Lower	Upper
41	100		
42	69.3	55.0	82.6

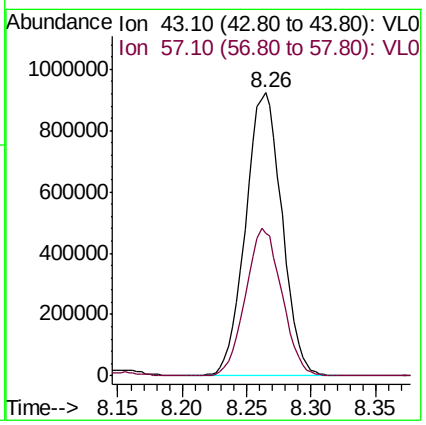


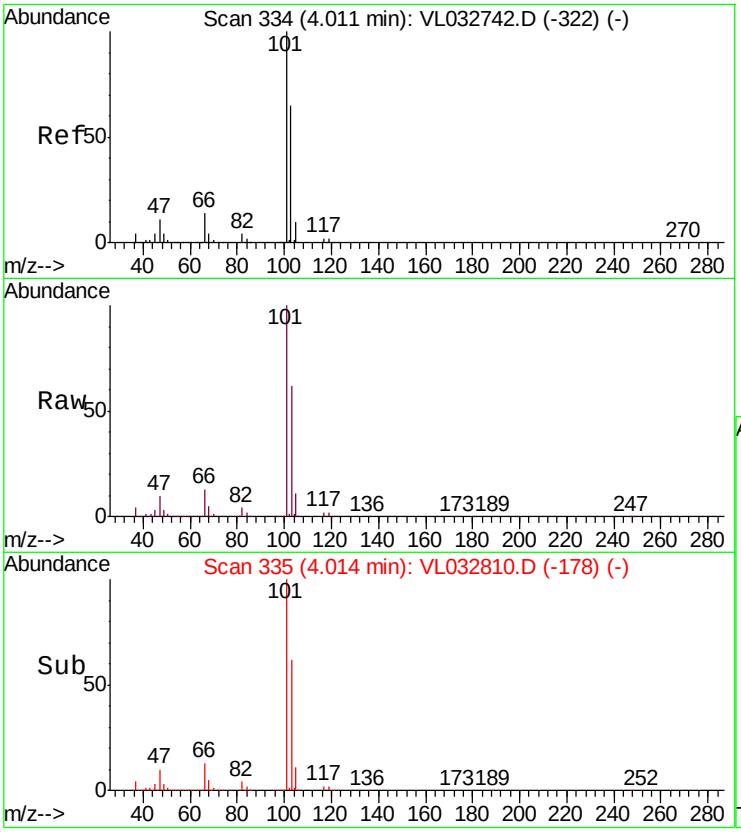


#10
Heptane
Concen: 10.782 ppbv
RT: 8.26 min Scan# 1657
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 43 Resp: 1813000

Ion	Ratio	Lower	Upper
43	100		
57	51.9	41.8	62.8



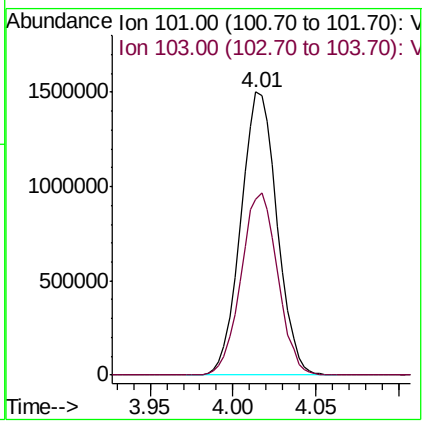


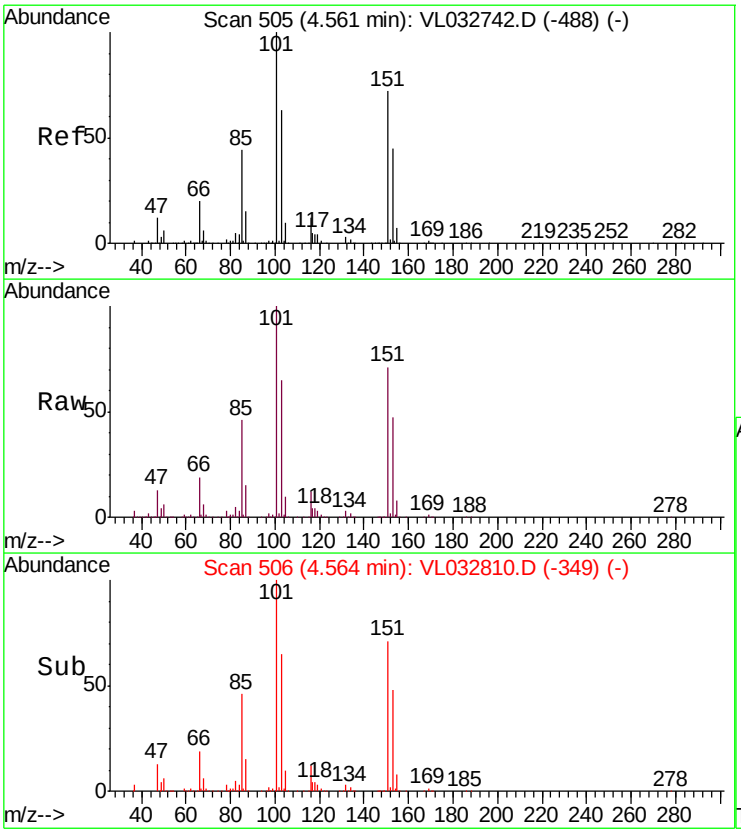
#11
Trichlorofluoromethane
Concen: 12.094 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion:101 Resp: 2274399

Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.6	77.4

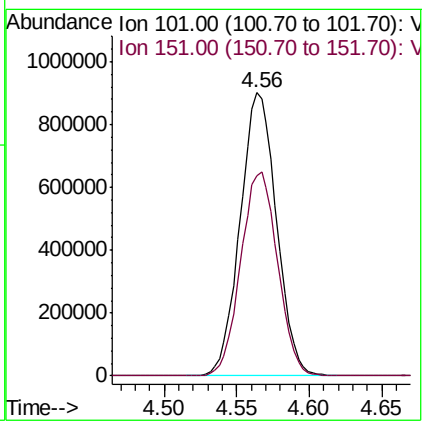


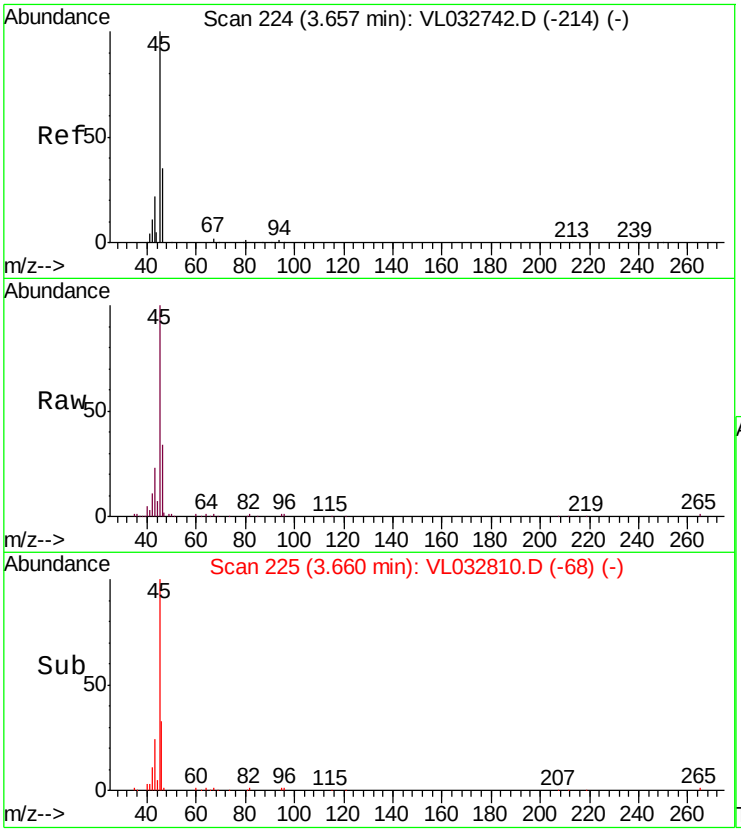


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.255 ppbv
RT: 4.56 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:101 Resp: 1575186

Ion	Ratio	Lower	Upper
101	100		
151	73.2	56.7	85.1



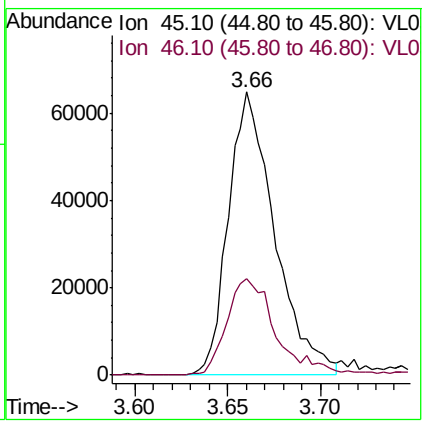


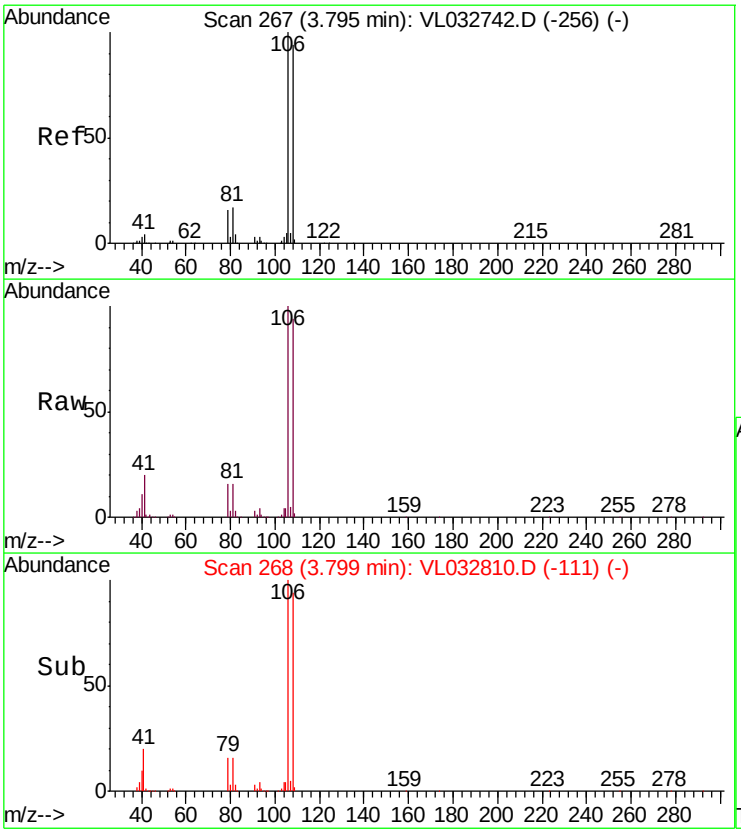
#13
Ethanol
Concen: 7.798 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 45 Resp: 112489

Ion	Ratio	Lower	Upper
45	100		
46	37.6	14.5	57.9

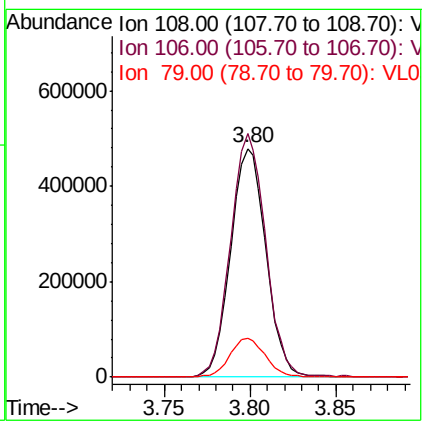


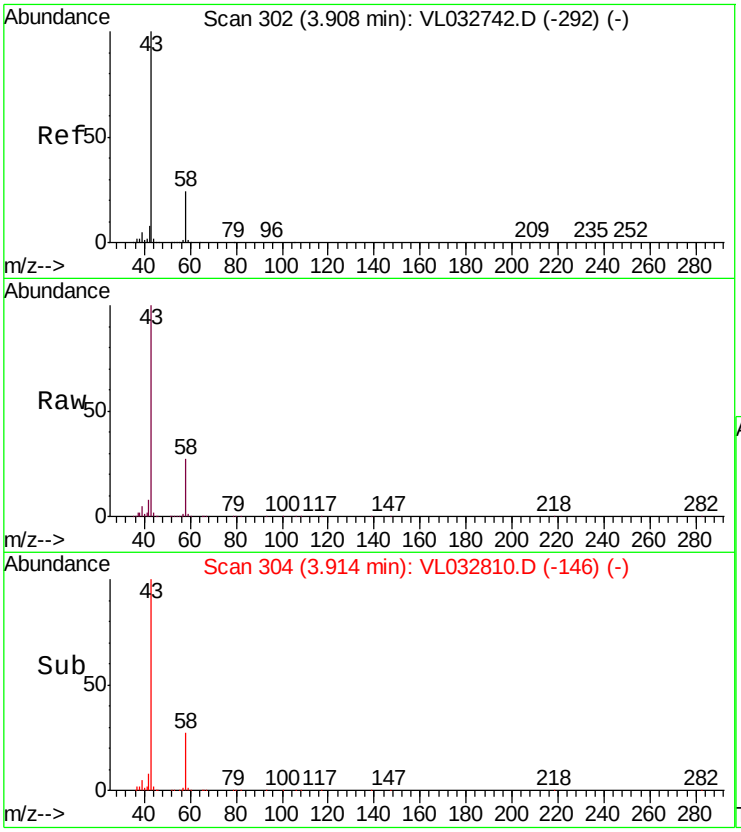


#14
Bromoethene
Concen: 13.365 ppbv
RT: 3.80 min Scan# 268
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:108 Resp: 681075

Ion	Ratio	Lower	Upper
108	100		
106	106.9	84.9	127.3
79	17.3	14.2	21.4



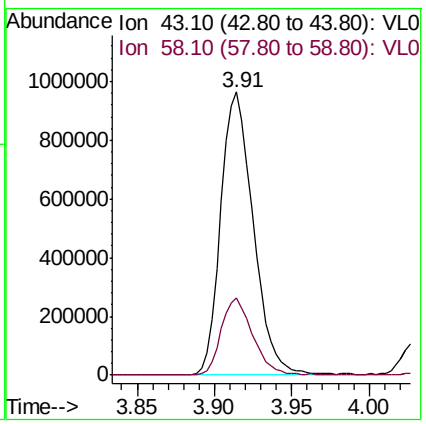


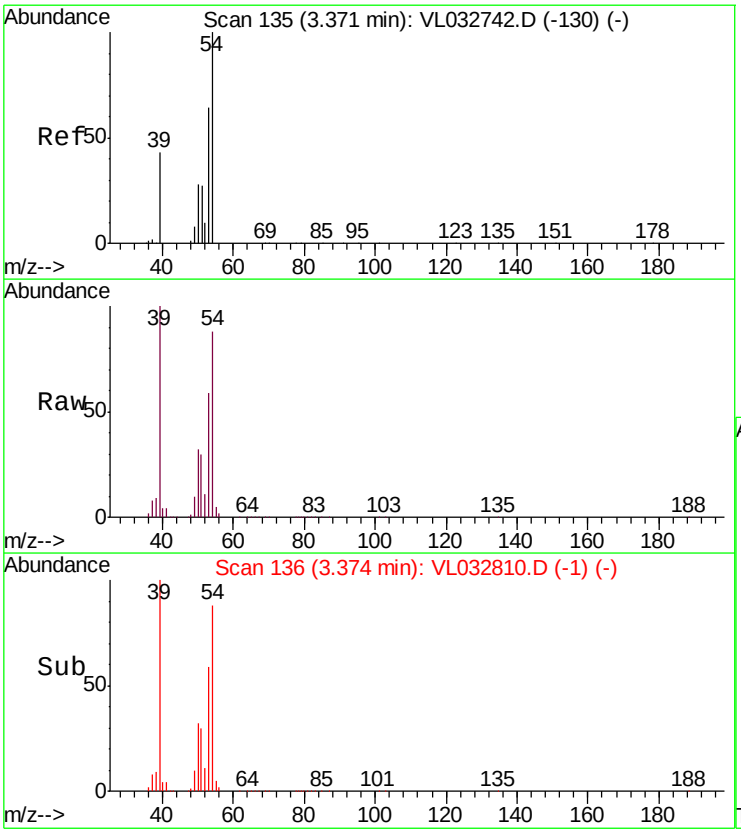
#15
Acetone
Concen: 11.069 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion: 43 Resp: 1403352

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.1	31.7

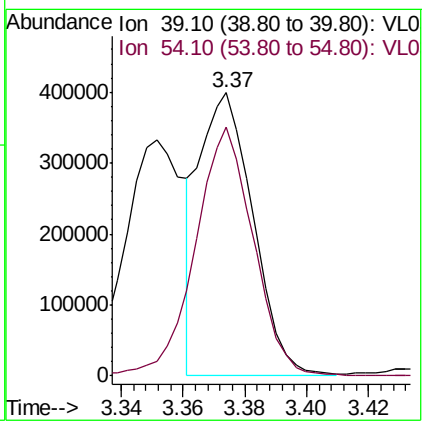


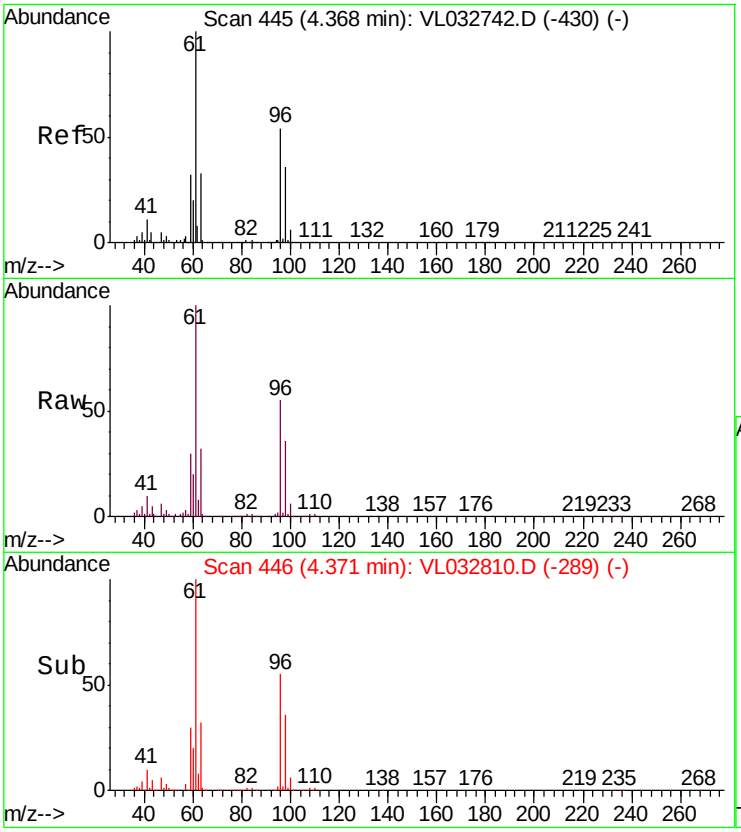


#16
1,3-Butadiene
Concen: 9.749 ppbv
RT: 3.37 min Scan# 136
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 39 Resp: 478652

Ion	Ratio	Lower	Upper
39	100		
54	96.1	68.9	103.3



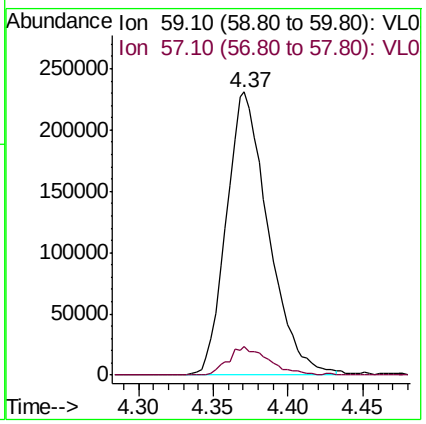


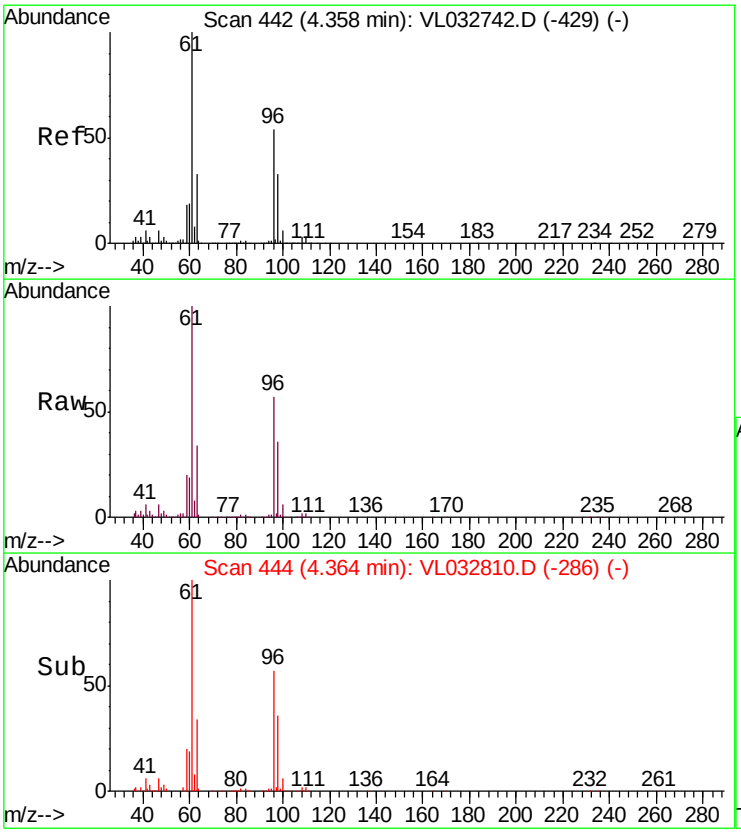
#17
tert-Butyl alcohol
Concen: 11.390 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 59 Resp: 452893

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

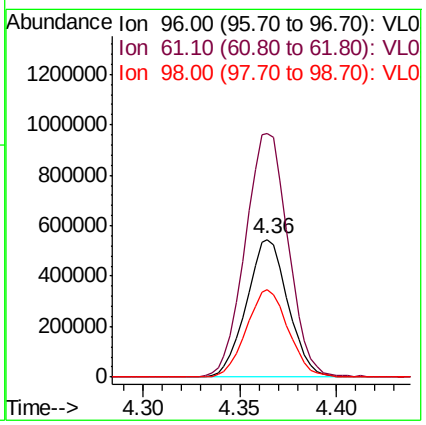


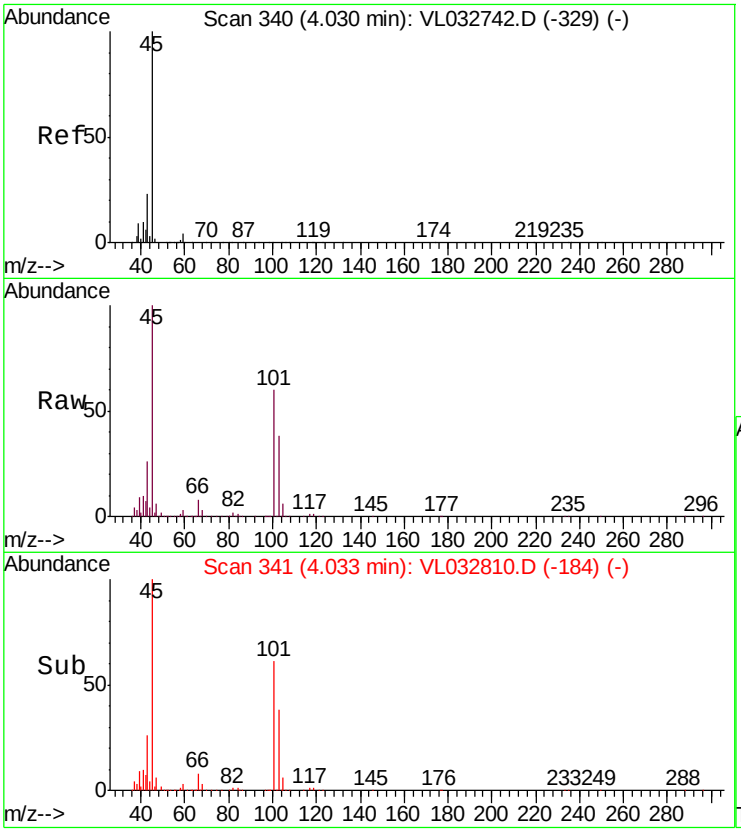


#18
1,1-Dichloroethene
Concen: 10.827 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 96 Resp: 817780

Ion	Ratio	Lower	Upper
96	100		
61	176.5	148.5	222.7
98	63.5	48.6	72.8



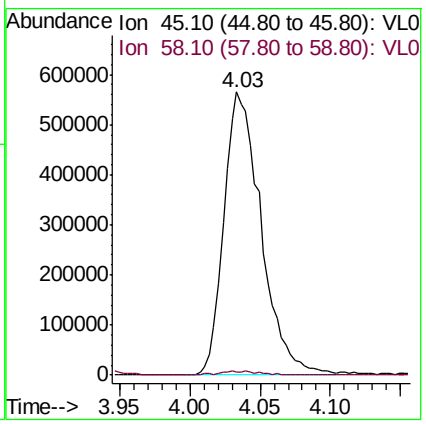


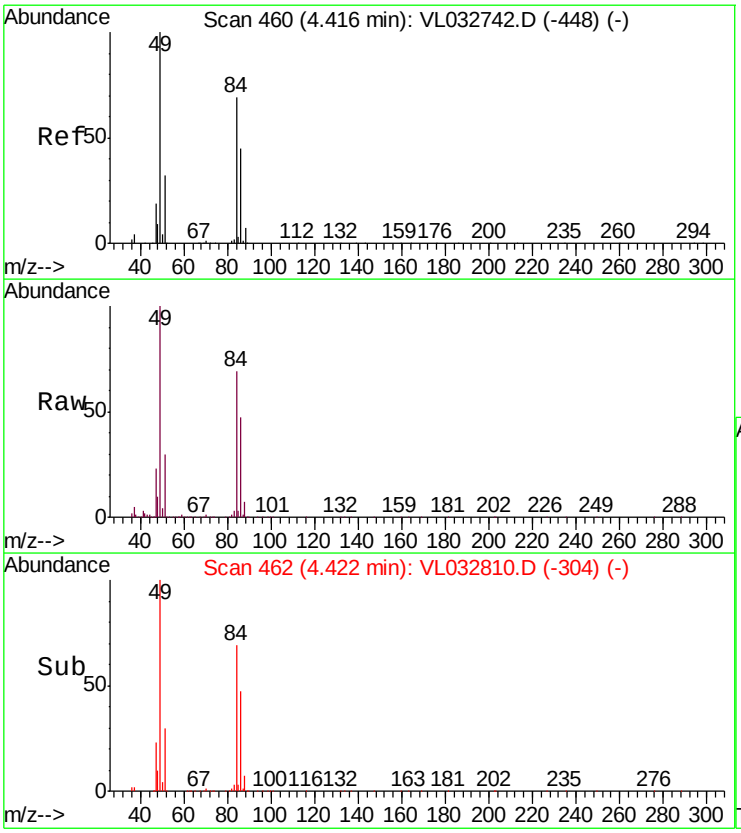
#19
Isopropyl Alcohol
Concen: 12.330 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 45 Resp: 1041346

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.4	2.0

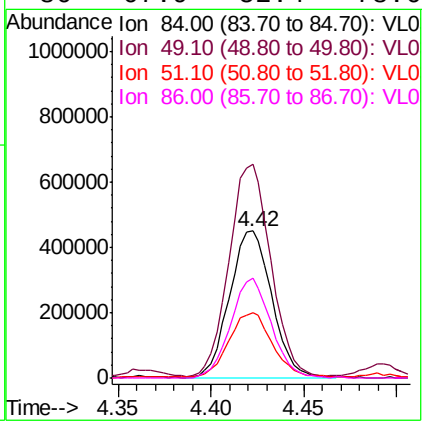


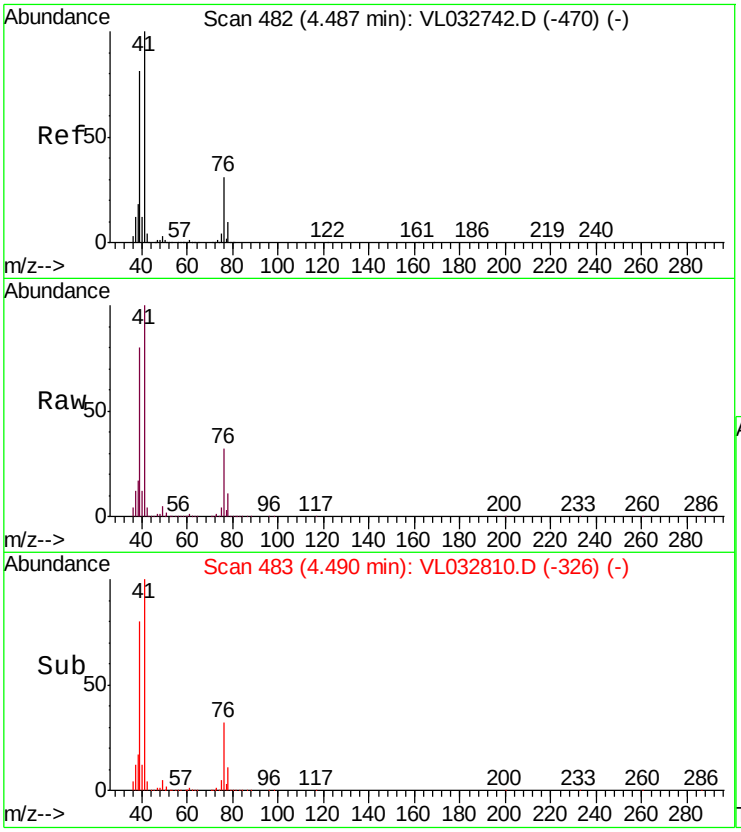


#20
Methylene Chloride
Concen: 10.813 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 84 Resp: 709699

Ion	Ratio	Lower	Upper
84	100		
49	144.8	115.8	173.6
51	43.7	36.9	55.3
86	67.9	52.4	78.6



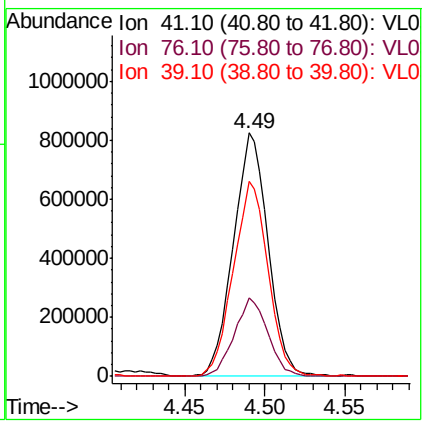


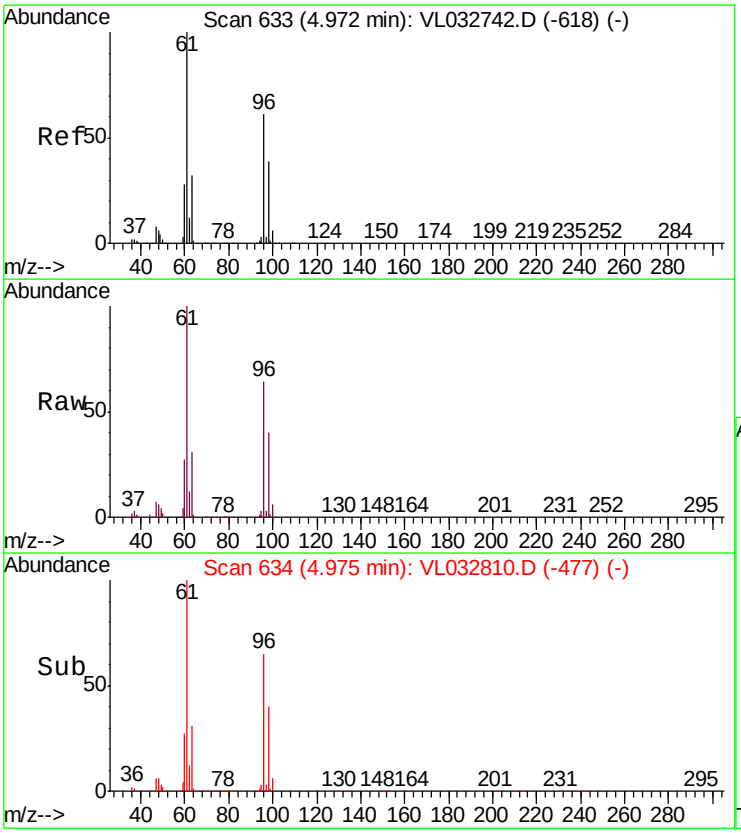
#21
Allyl Chloride
Concen: 11.317 ppbv
RT: 4.49 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 41 Resp: 1205709

Ion	Ratio	Lower	Upper
41	100		
76	31.5	24.4	36.6
39	80.3	63.5	95.3

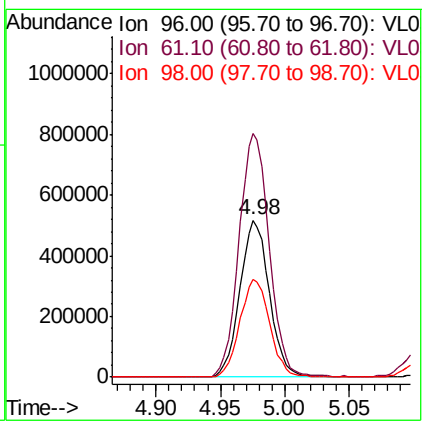


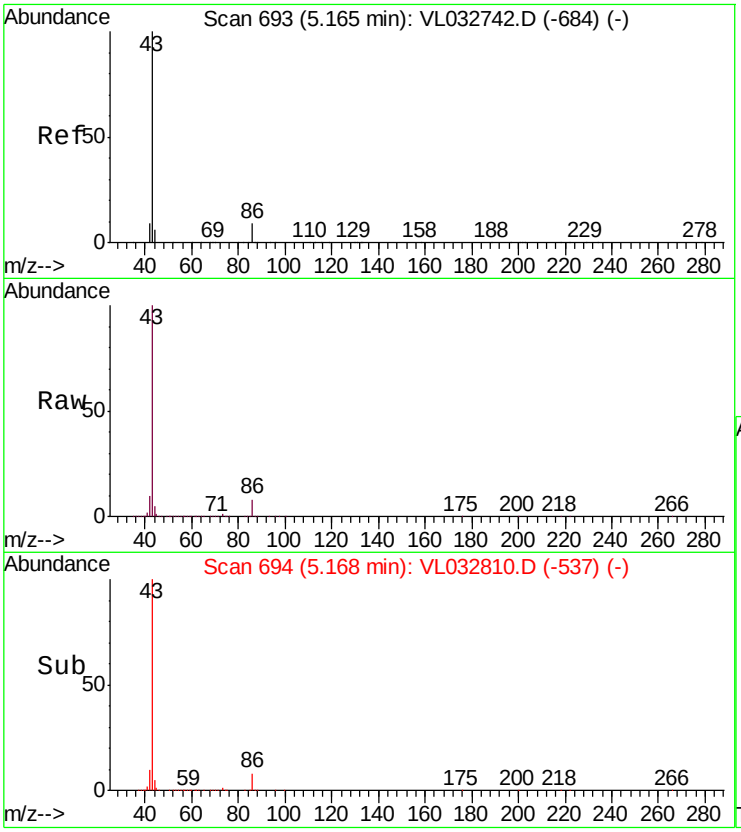


#22
trans-1,2-Dichloroethene
Concen: 11.139 ppbv
RT: 4.98 min Scan# 634
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 96 Resp: 821585

Ion	Ratio	Lower	Upper
96	100		
61	155.0	130.2	195.2
98	62.3	50.2	75.2



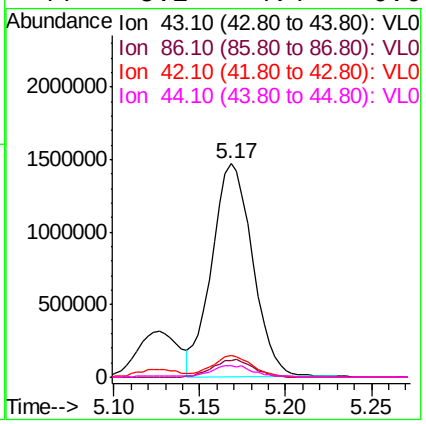


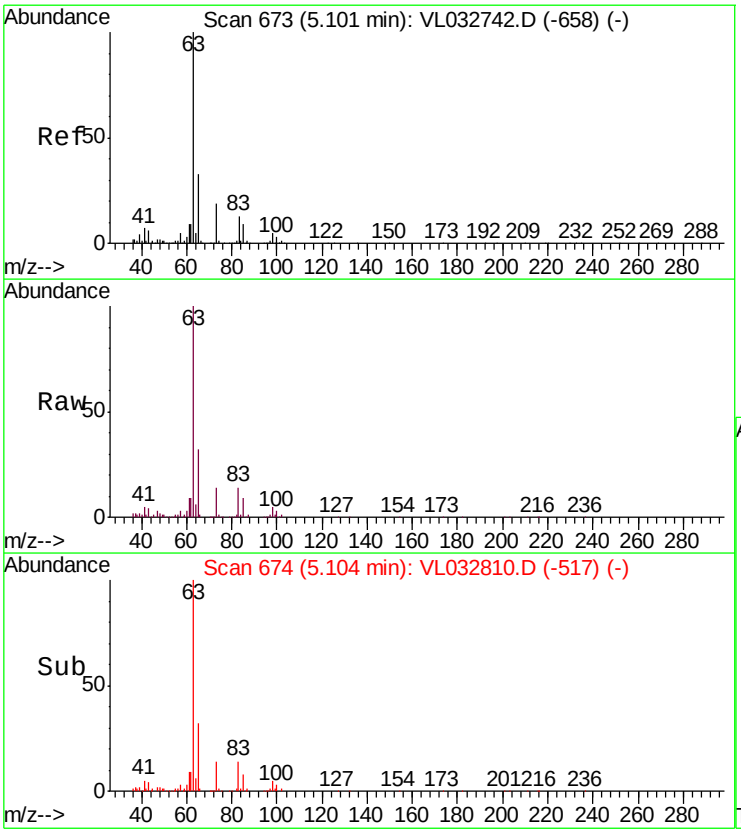
#23
Vinyl Acetate
Concen: 10.529 ppbv
RT: 5.17 min Scan# 694
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion: 43 Resp: 2433111

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.2	9.4
42	10.3	7.8	11.6
44	5.2	4.4	6.6

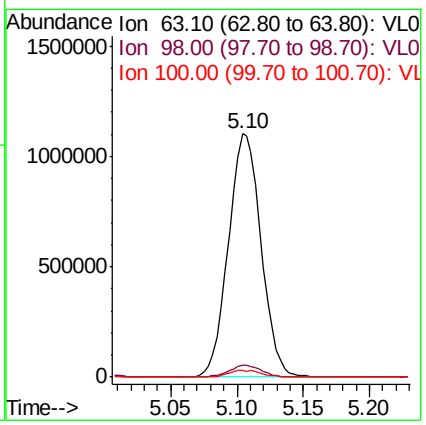


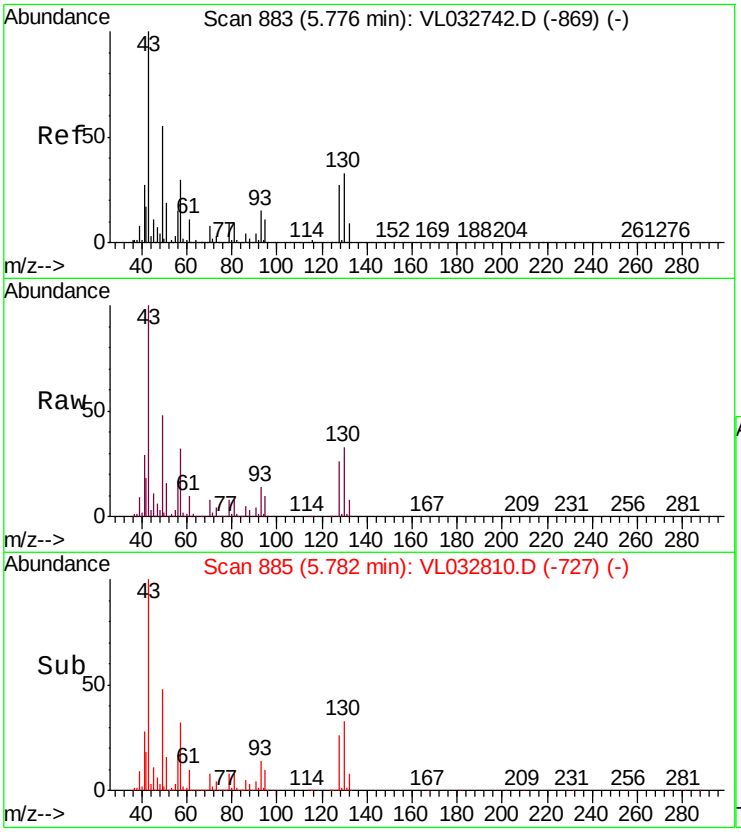


#24
1,1-Dichloroethane
Concen: 10.249 ppbv
RT: 5.10 min Scan# 674
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 63 Resp: 1882980

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.8
100	2.7	1.4	4.2



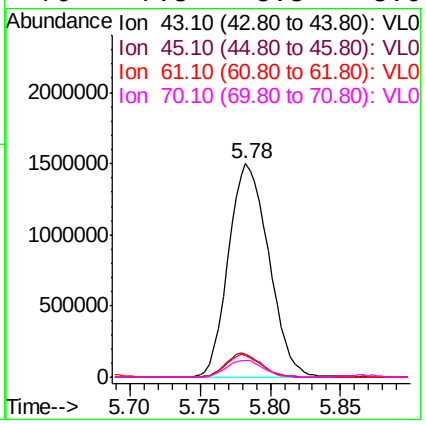


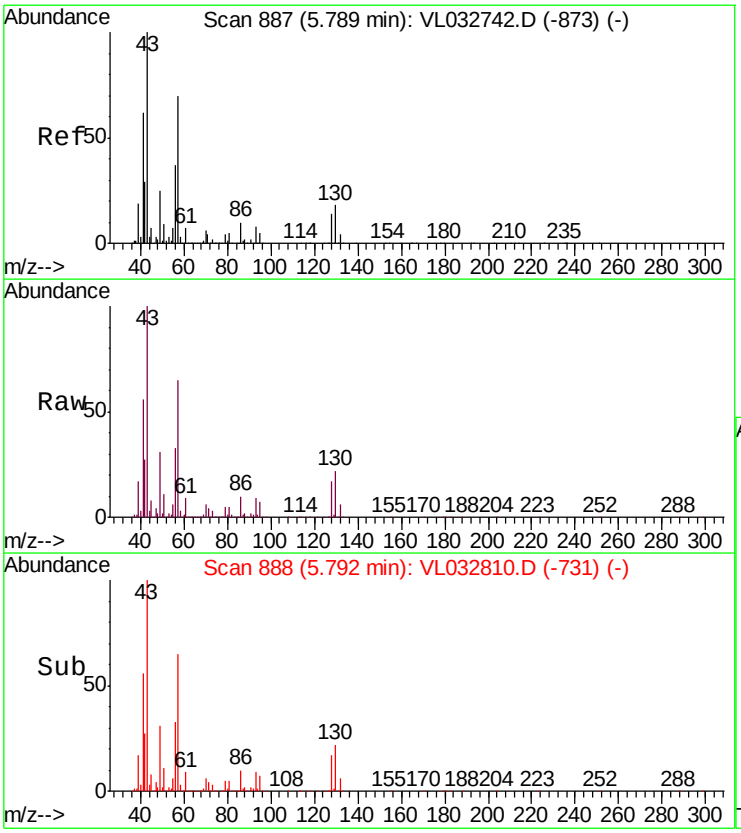
#25
Ethyl Acetate
Concen: 10.170 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion: 43 Resp: 3005107

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.4	7.8	11.6
70	7.3	5.8	8.6

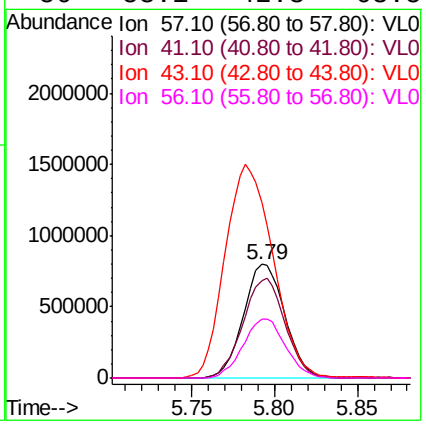


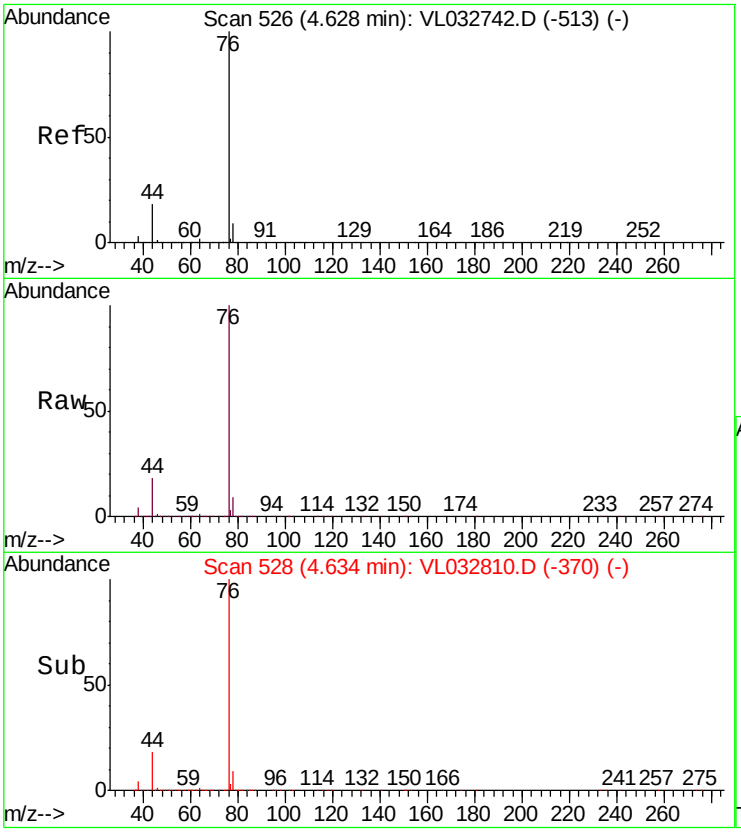


#26
Hexane
Concen: 10.536 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 57 Resp: 1385801

Ion	Ratio	Lower	Upper
57	100		
41	89.4	70.3	105.5
43	217.5	174.0	261.0
56	53.1	42.3	63.5



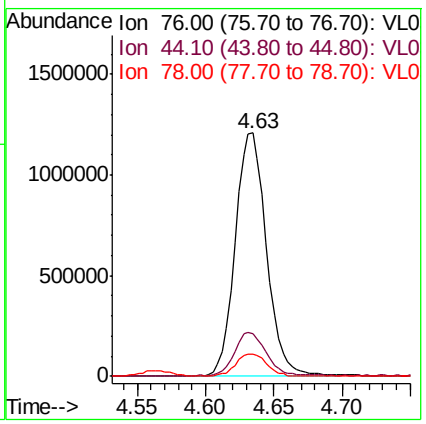


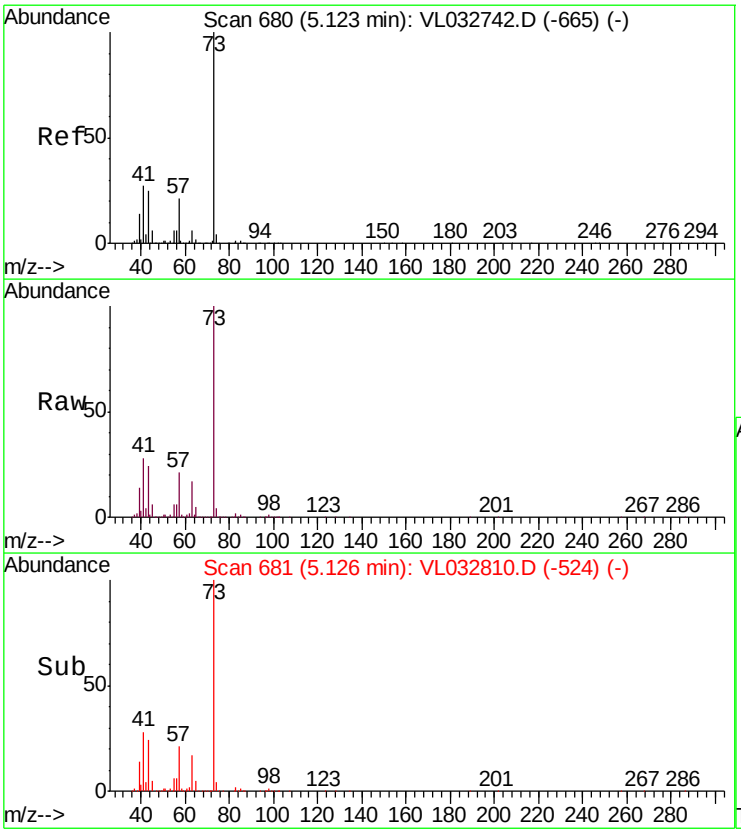
#27
Carbon Disulfide
Concen: 11.521 ppbv
RT: 4.63 min Scan# 528
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion: 76 Resp: 1921505

Ion	Ratio	Lower	Upper
76	100		
44	18.2	14.4	21.6
78	9.2	7.7	11.5

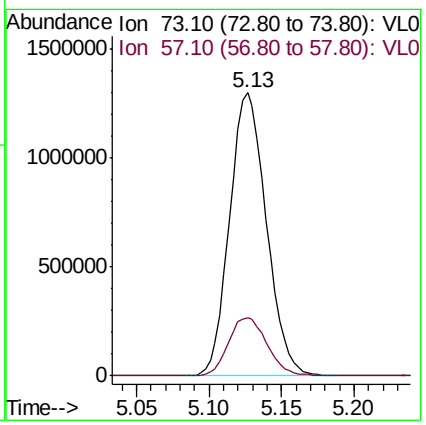


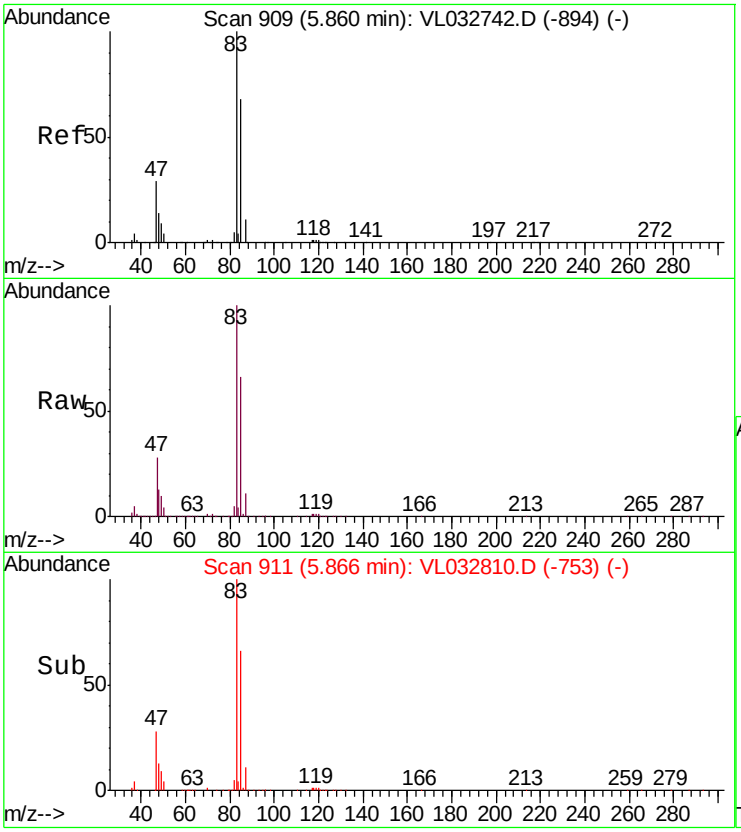


#28
Methyl tert-Butyl Ether
Concen: 10.940 ppbv
RT: 5.13 min Scan# 681
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 73 Resp: 2294786

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.5	26.3



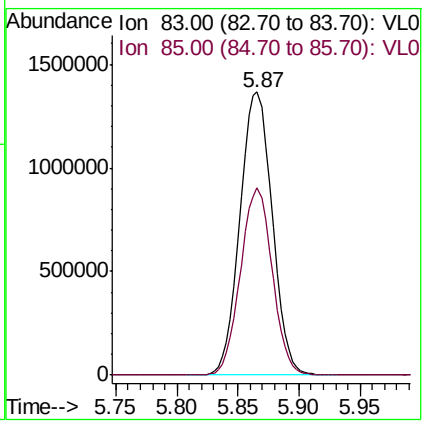


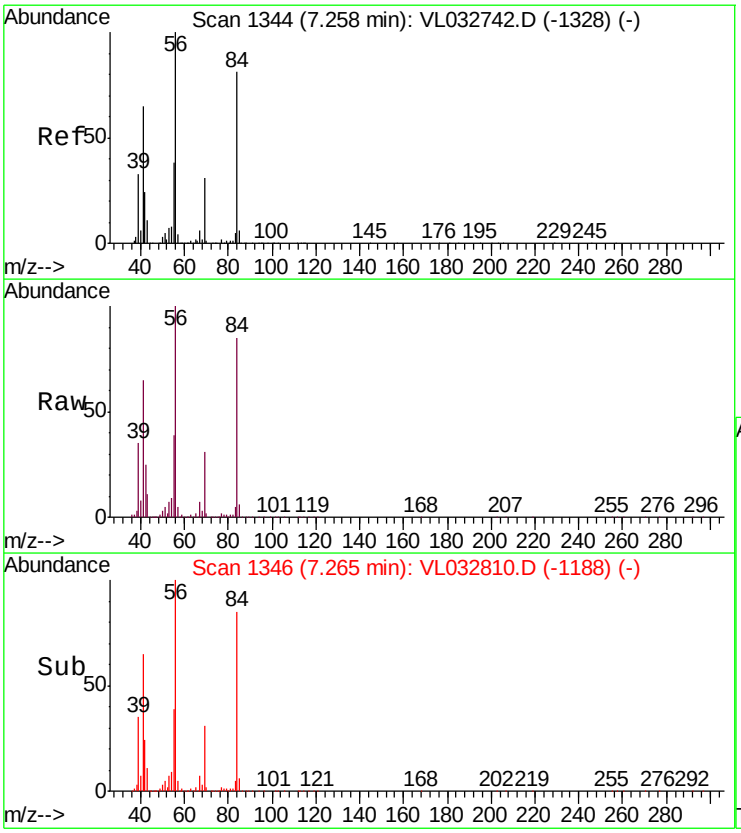
#29
Chloroform
Concen: 10.617 ppbv
RT: 5.87 min Scan# 911
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 83 Resp: 2489079

Ion	Ratio	Lower	Upper
83	100		
85	66.2	54.2	81.4

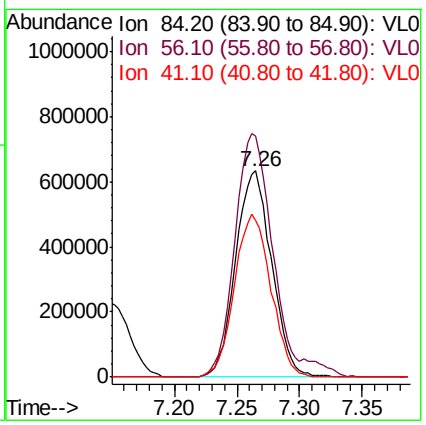


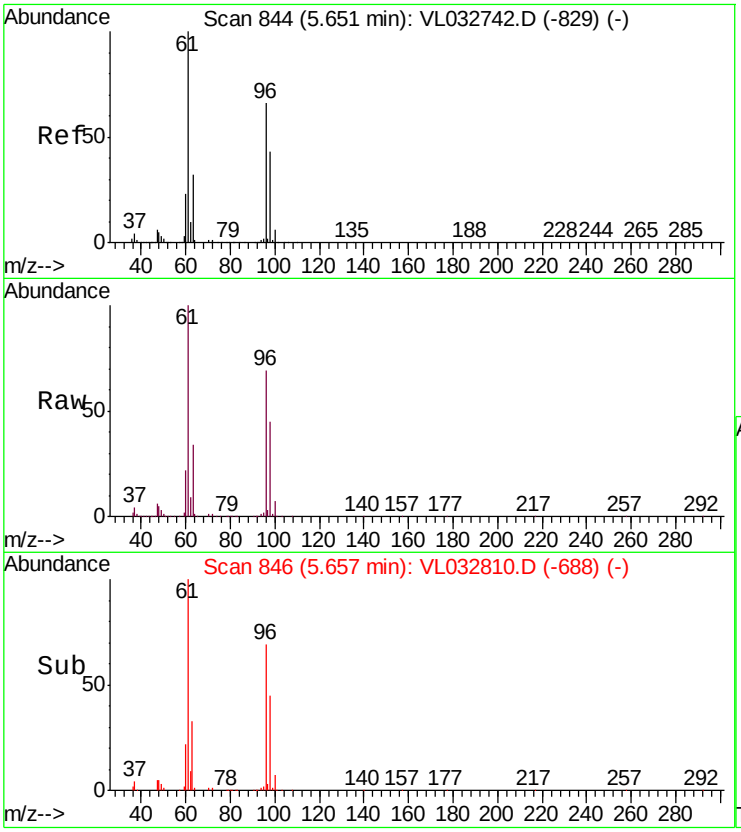


#30
Cyclohexane
Concen: 11.029 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 84 Resp: 1268794

Ion	Ratio	Lower	Upper
84	100		
56	126.6	105.0	157.4
41	79.8	65.3	97.9



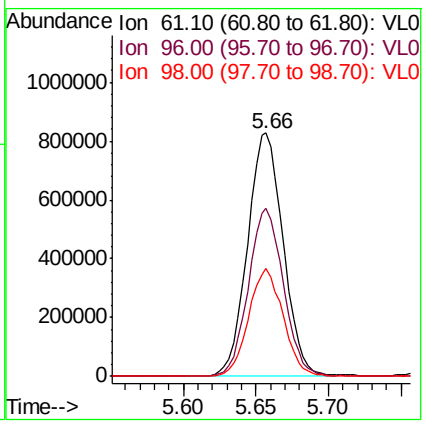


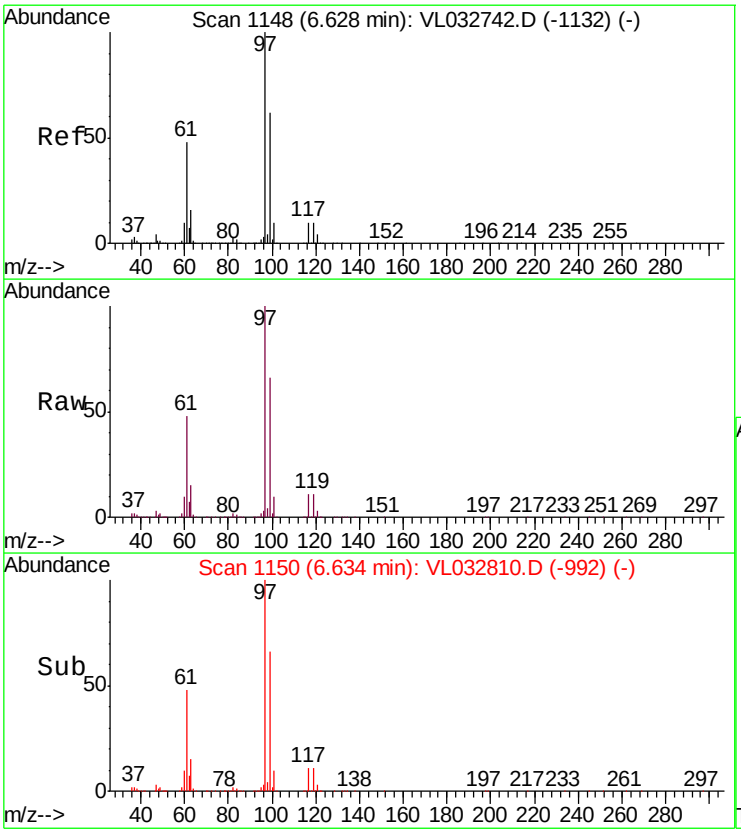
#31
cis-1,2-Dichloroethene
Concen: 10.725 ppbv
RT: 5.66 min Scan# 846
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 61 Resp: 1418256

Ion	Ratio	Lower	Upper
61	100		
96	69.2	53.2	79.8
98	44.5	34.4	51.6

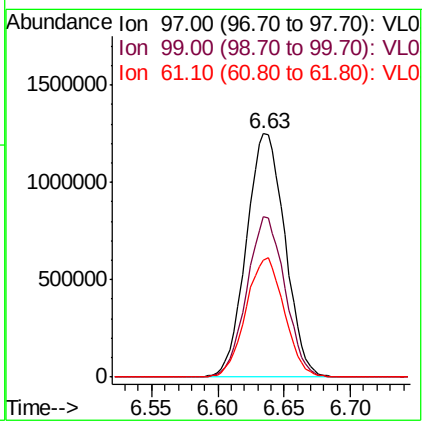


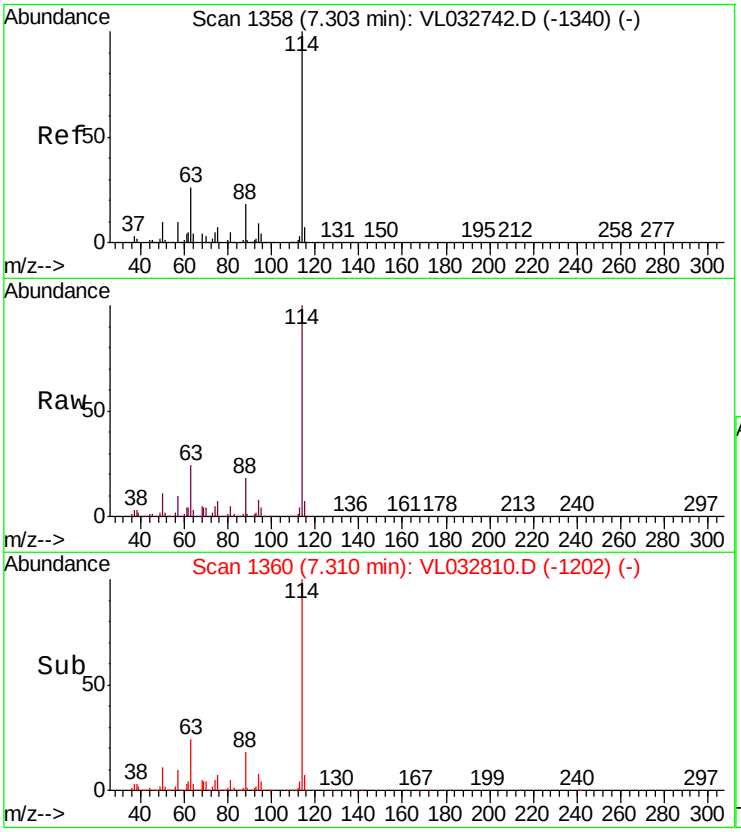


#32
1,1,1-Trichloroethane
Concen: 9.875 ppbv
RT: 6.63 min Scan# 1150
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 97 Resp: 2537558

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	48.5	39.7	59.5



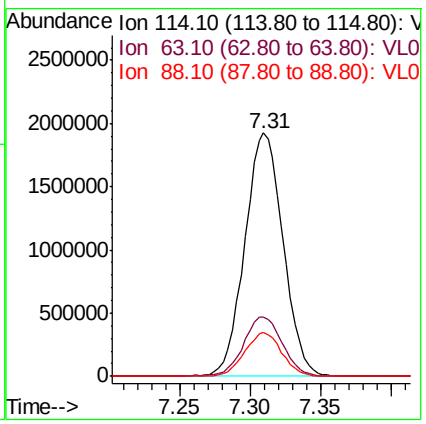


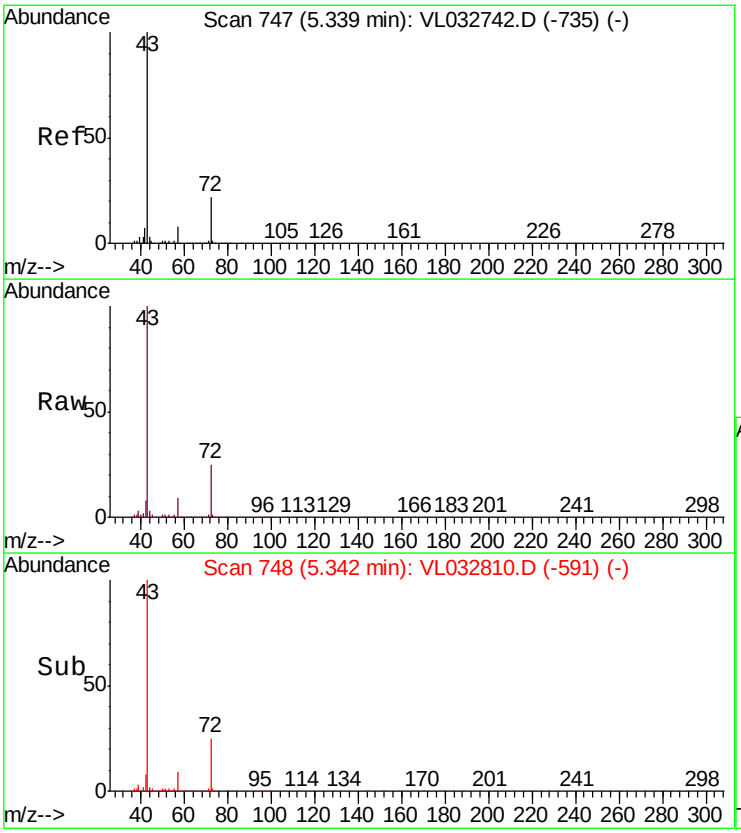
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion:114 Resp: 3657128

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.9	31.3
88	17.5	14.4	21.6

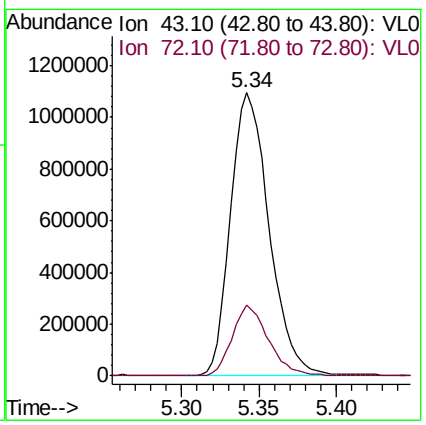


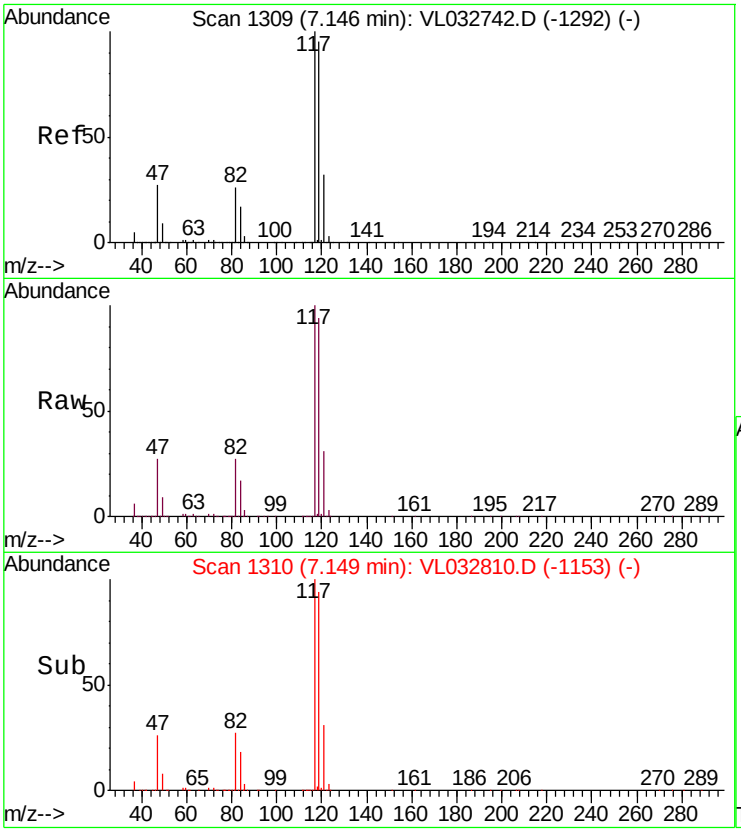


#34
2-Butanone
Concen: 9.992 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 43 Resp: 1895281

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.4	27.6



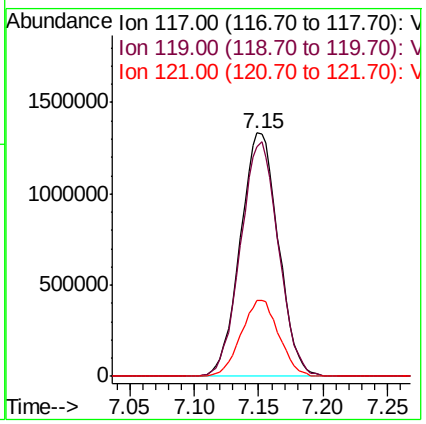


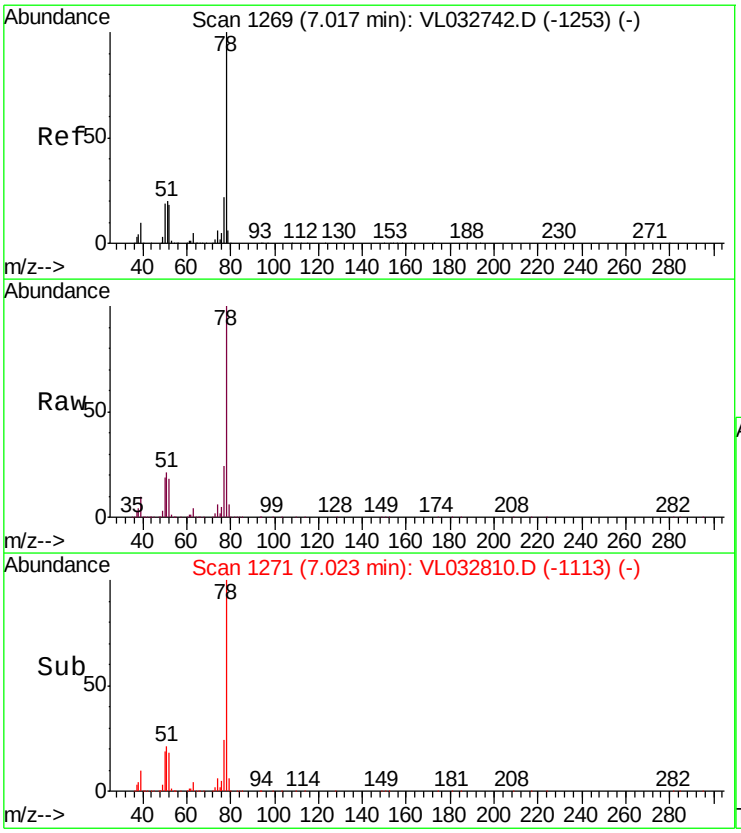
#35
Carbon Tetrachloride
Concen: 9.333 ppbv
RT: 7.15 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion:117 Resp: 2743971

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.1	114.1
121	31.1	25.4	38.0

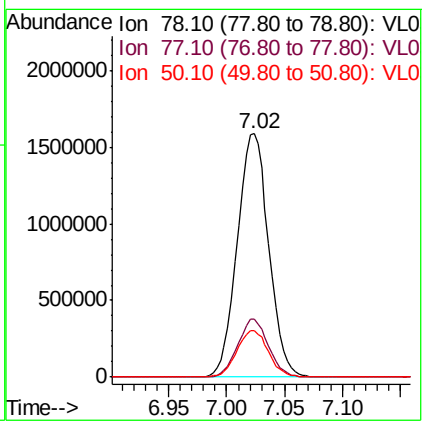


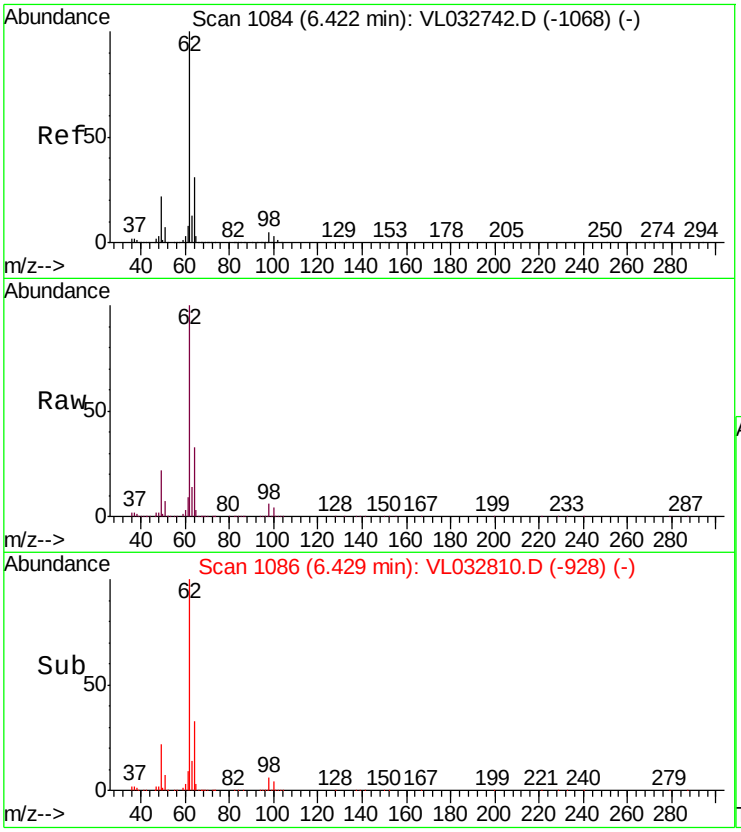


#36
Benzene
Concen: 10.289 ppbv
RT: 7.02 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 78 Resp: 2996258

Ion	Ratio	Lower	Upper
78	100		
77	23.8	17.8	26.8
50	19.2	15.4	23.0



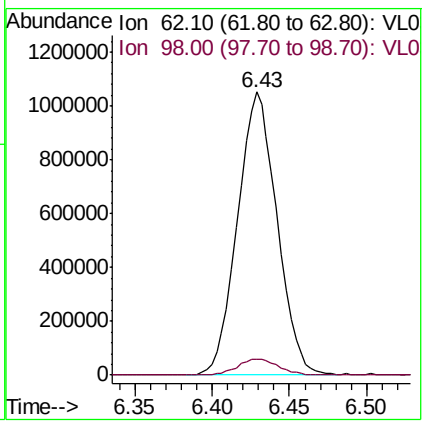


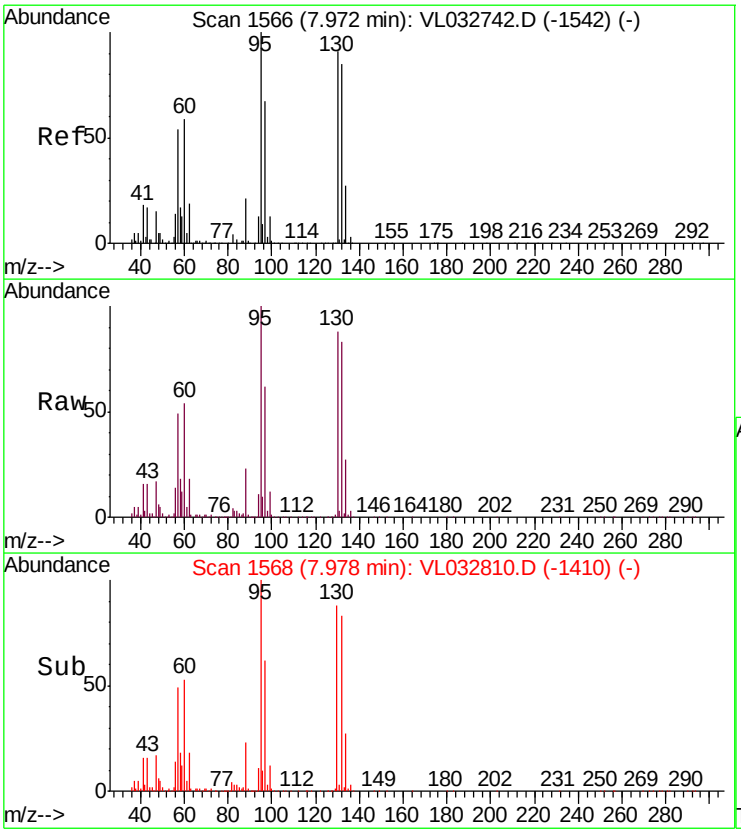
#37
1,2-Dichloroethane
Concen: 9.527 ppbv
RT: 6.43 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 62 Resp: 1867740

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.5	6.7

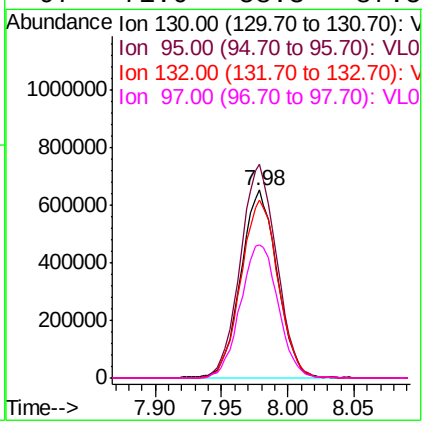


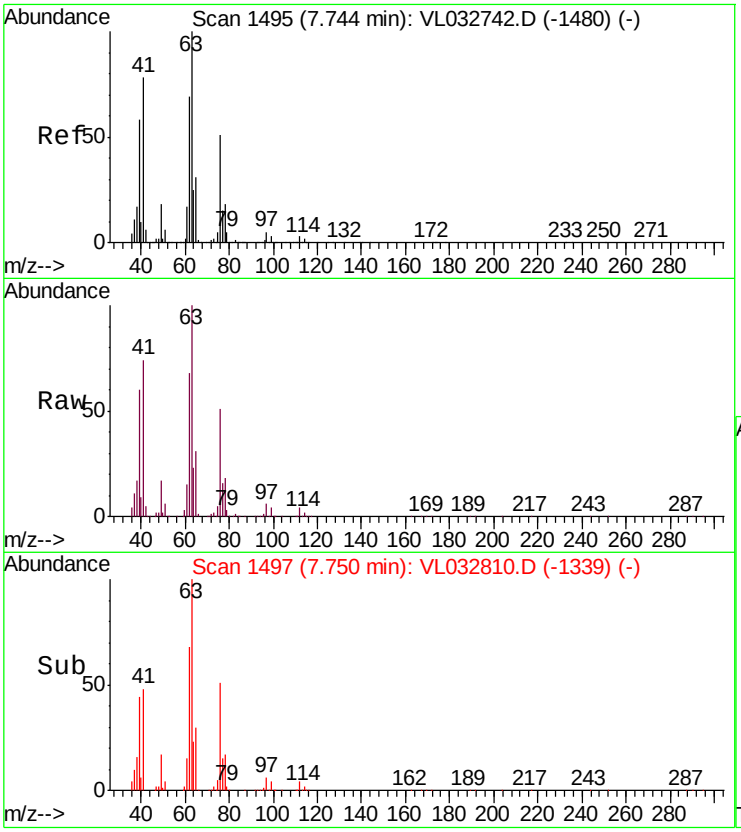


#38
Trichloroethene
Concen: 10.534 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:130 Resp: 1241473

Ion	Ratio	Lower	Upper
130	100		
95	114.0	87.7	131.5
132	94.6	74.6	111.8
97	71.0	58.3	87.5



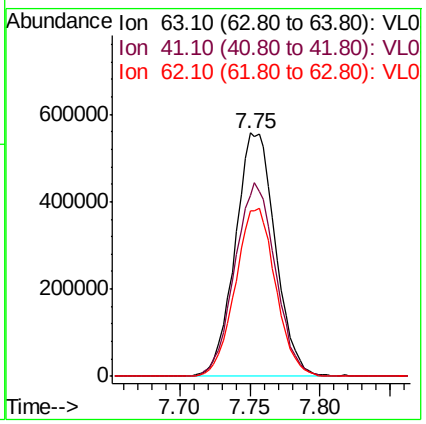


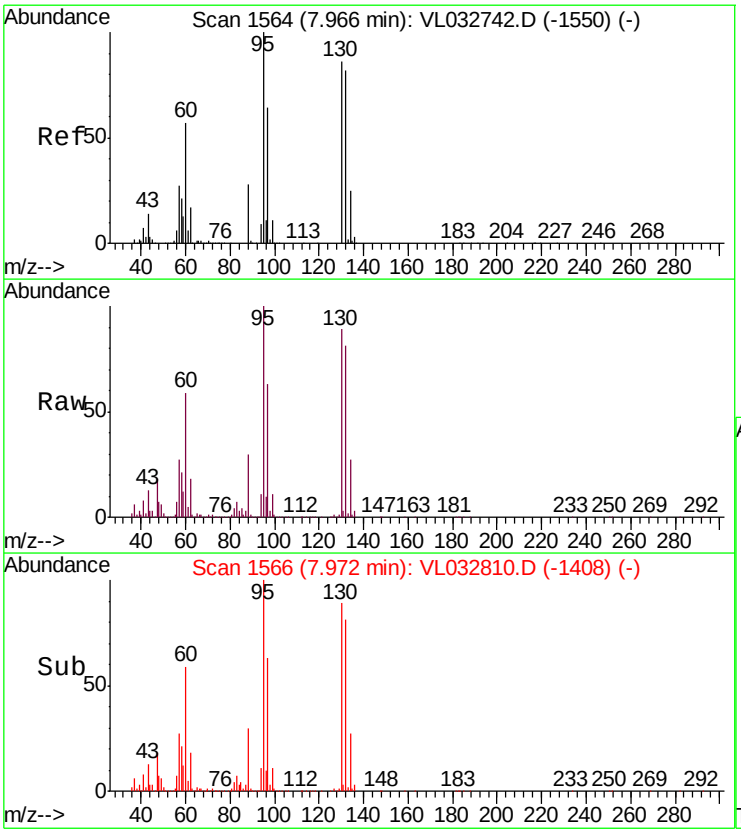
#39
1,2-Dichloropropane
Concen: 9.999 ppbv
RT: 7.75 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion: 63 Resp: 1109494

Ion	Ratio	Lower	Upper
63	100		
41	74.3	62.0	93.0
62	68.1	55.4	83.2

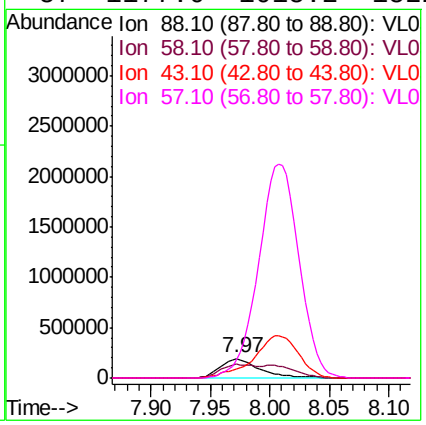


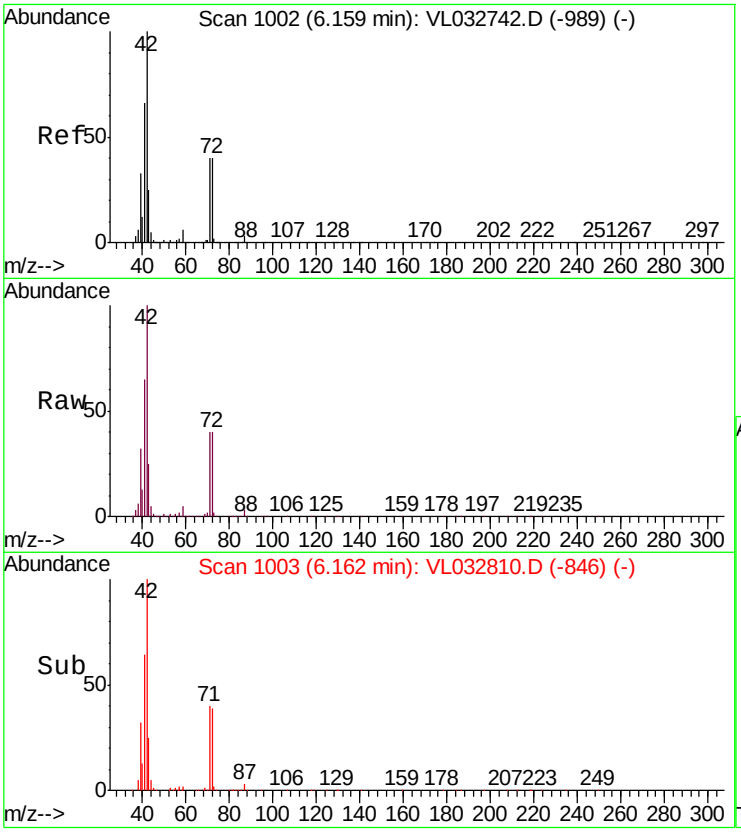


#40
1,4-Dioxane
Concen: 10.770 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 88 Resp: 426828

Ion	Ratio	Lower	Upper
88	100		
58	124.7	105.3	157.9
43	258.6	226.1	339.1
57	1177.0	1015.2	1522.8



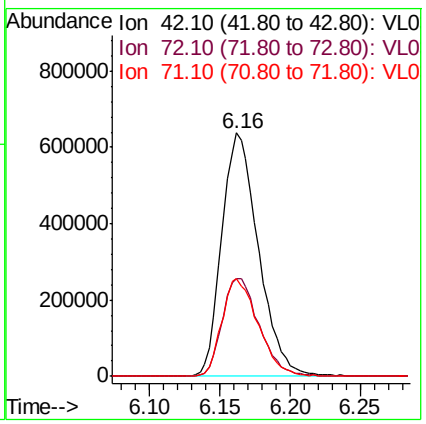


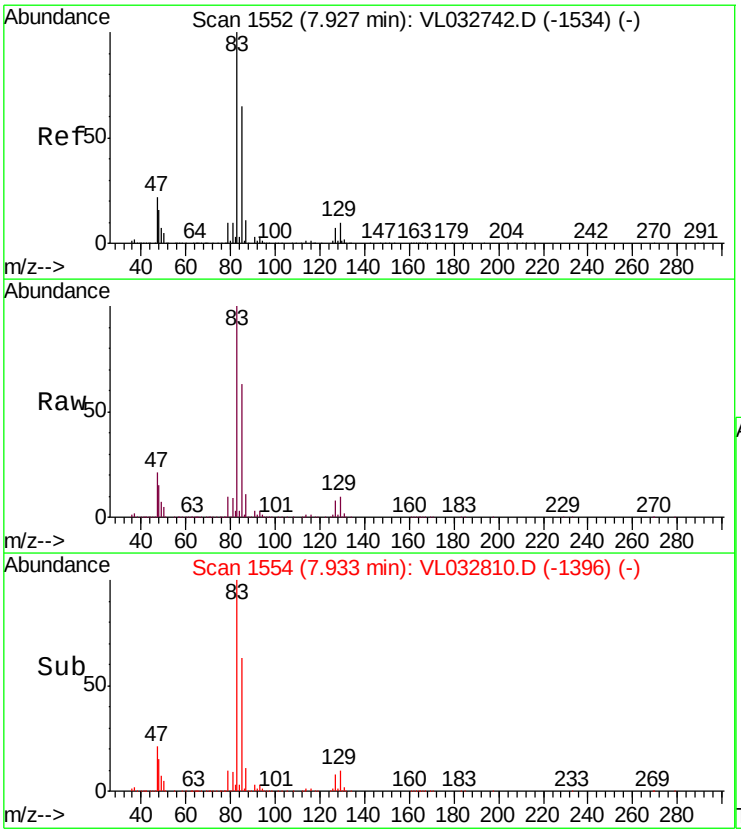
#41
Tetrahydrofuran
Concen: 10.636 ppbv
RT: 6.16 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 42 Resp: 1157176

Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.4	48.6
71	39.9	31.6	47.4

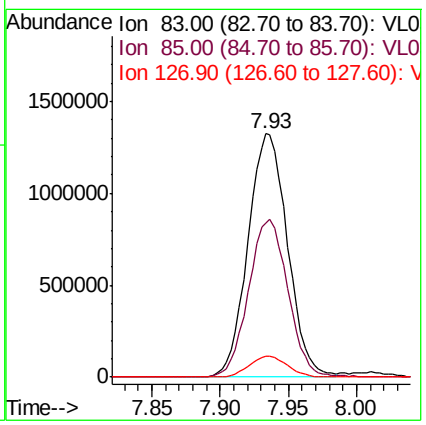


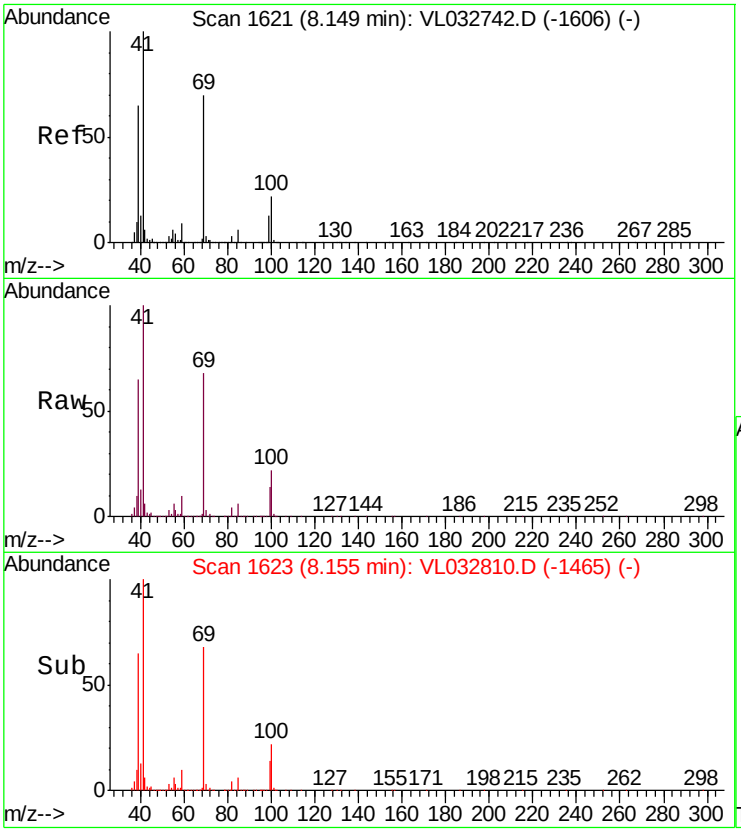


#42
Bromodichloromethane
Concen: 10.026 ppbv
RT: 7.93 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 83 Resp: 2664428

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.8
127	8.5	5.9	8.9



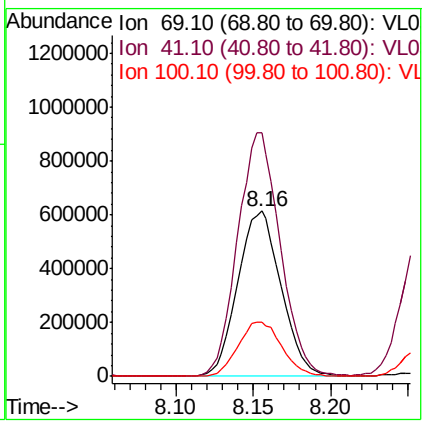


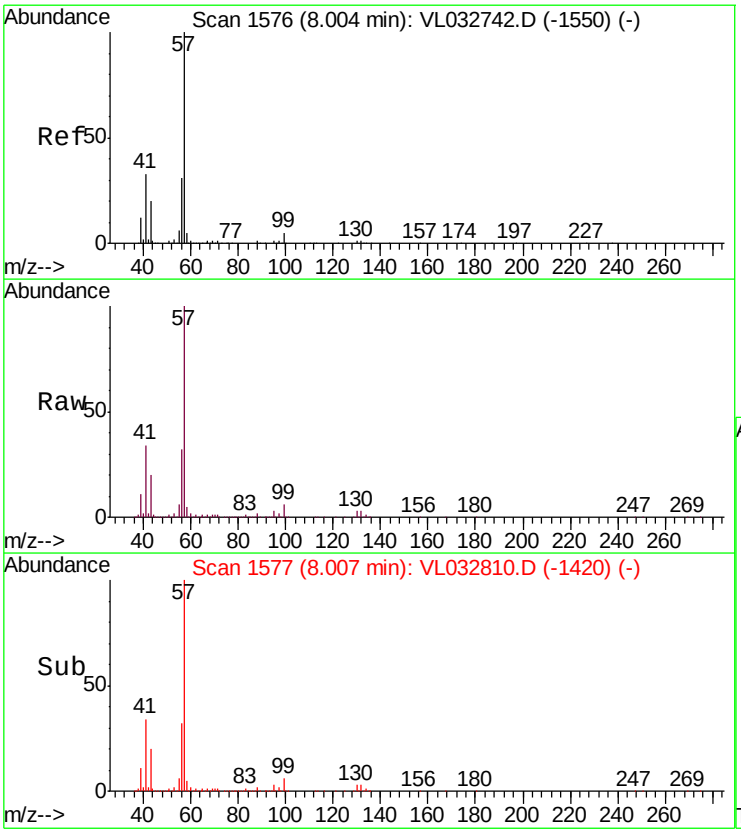
#43
Methyl Methacrylate
Concen: 10.976 ppbv
RT: 8.16 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion: 69 Resp: 1193329

Ion	Ratio	Lower	Upper
69	100		
41	145.2	115.0	172.4
100	33.3	25.4	38.0

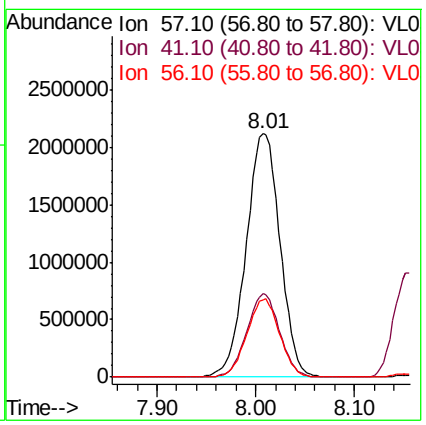


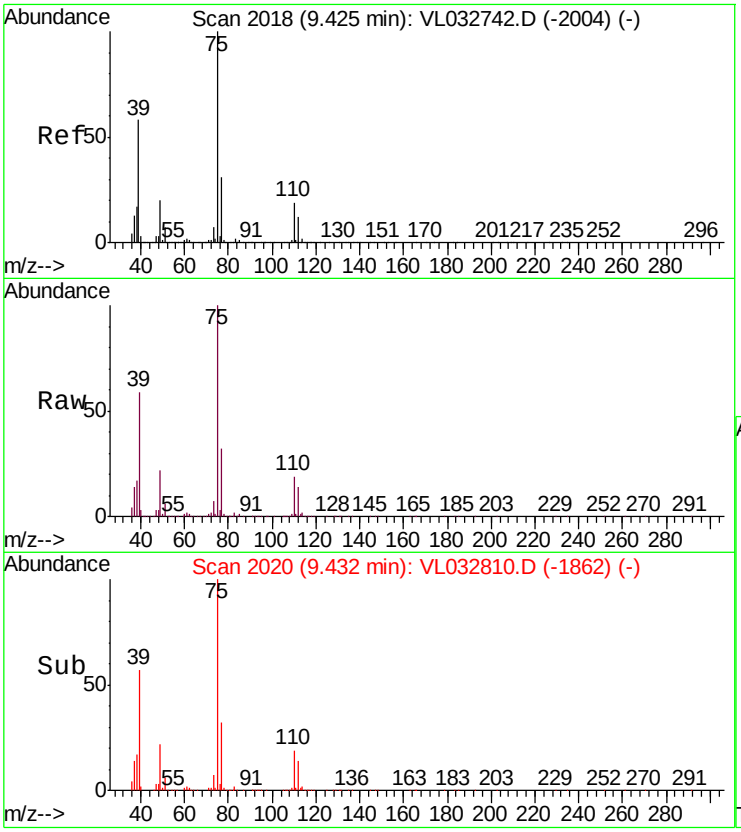


#44
2,2,4-Trimethylpentane
Concen: 10.316 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 57 Resp: 5020595

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.6	39.8
56	31.0	24.8	37.2



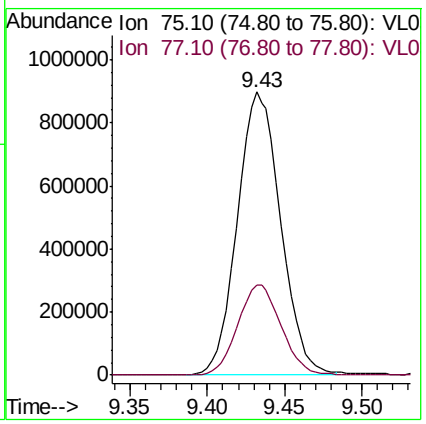


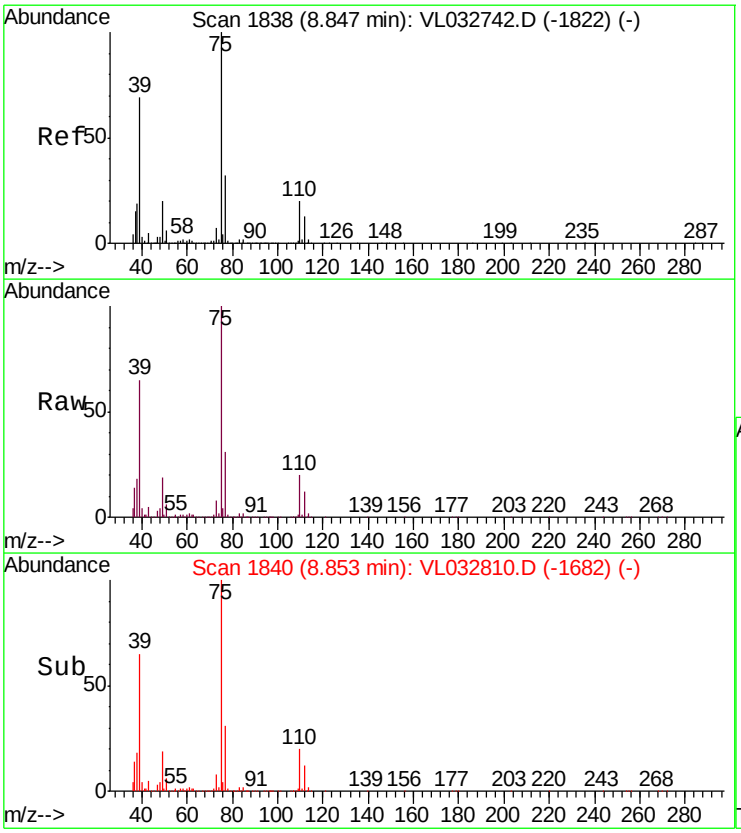
#45
t-1,3-Dichloropropene
Concen: 11.979 ppbv
RT: 9.43 min Scan# 2020
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 75 Resp: 1747604

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8

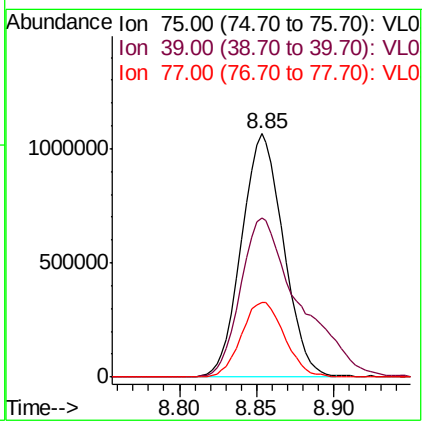


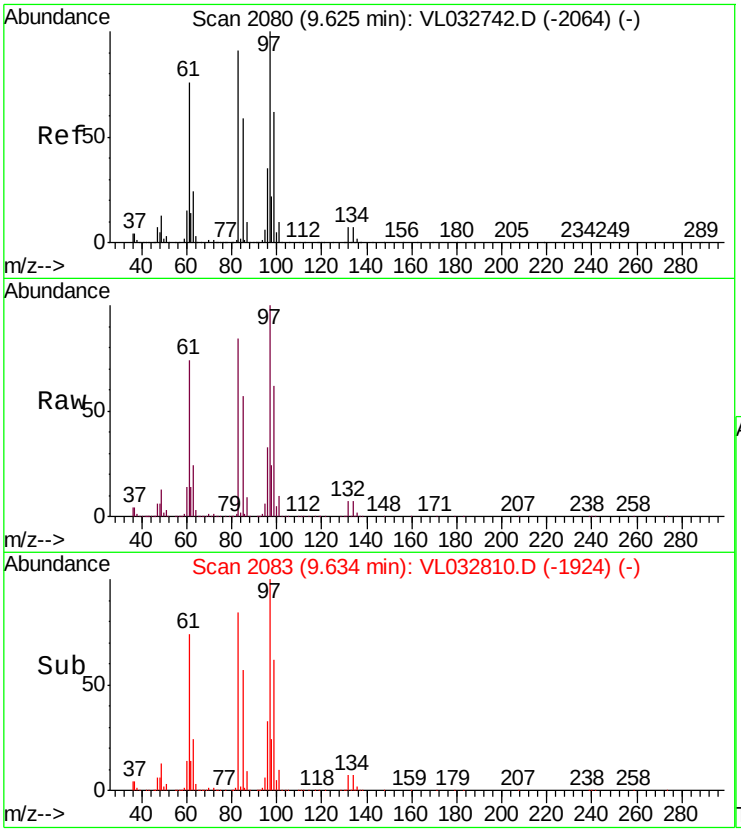


#46
cis-1,3-Dichloropropene
Concen: 11.384 ppbv
RT: 8.85 min Scan# 1840
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 75 Resp: 2006460

Ion	Ratio	Lower	Upper
75	100		
39	65.1	55.2	82.8
77	30.8	25.8	38.6



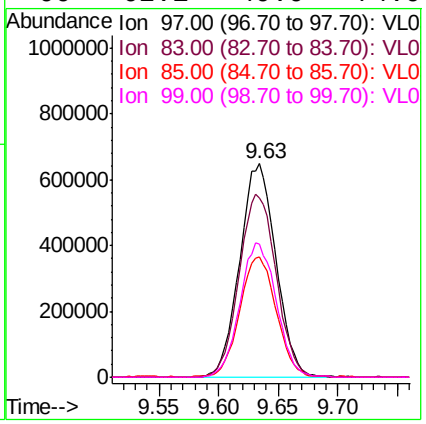


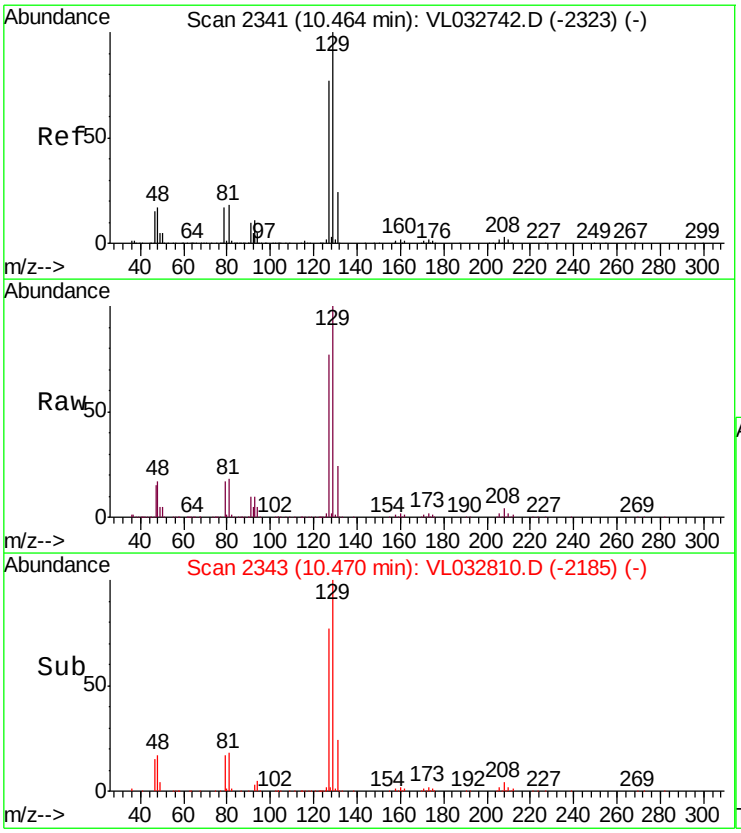
#47
1,1,2-Trichloroethane
Concen: 10.413 ppbv
RT: 9.63 min Scan# 2083
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 97 Resp: 1366243

Ion	Ratio	Lower	Upper
97	100		
83	84.0	73.0	109.4
85	56.3	47.0	70.4
99	62.1	49.9	74.9

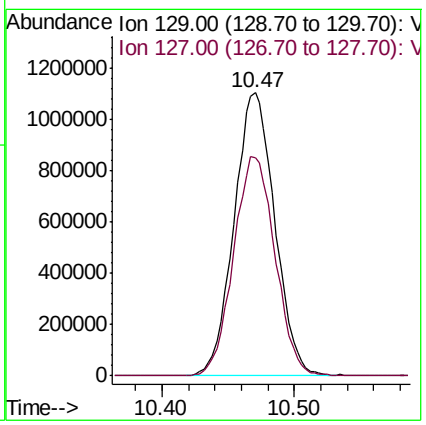


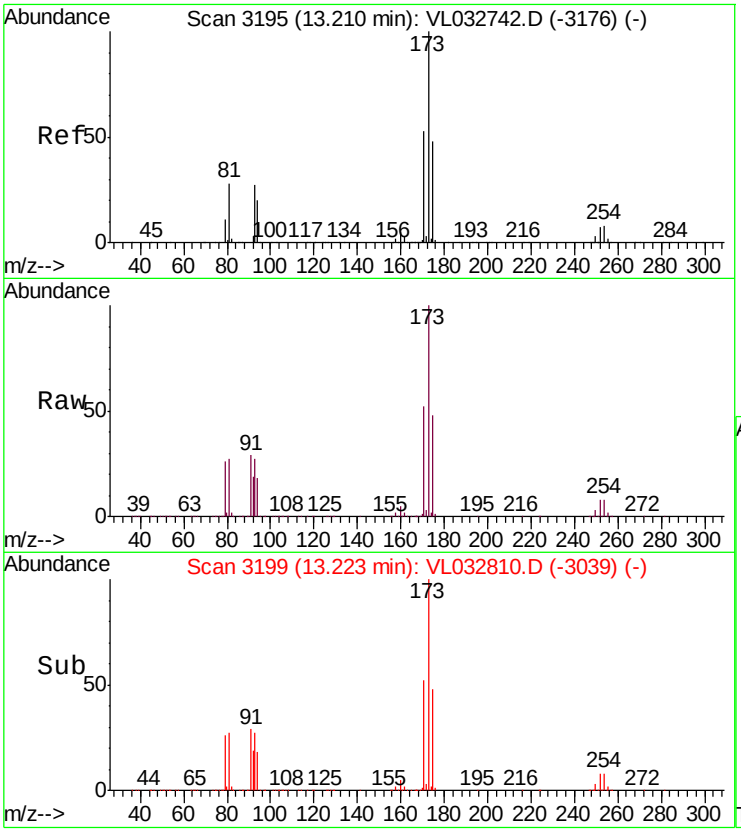


#48
Dibromochloromethane
Concen: 10.564 ppbv
RT: 10.47 min Scan# 2343
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:129 Resp: 2355697

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.0	117.0



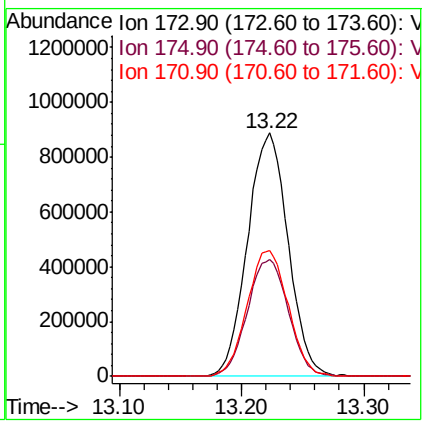


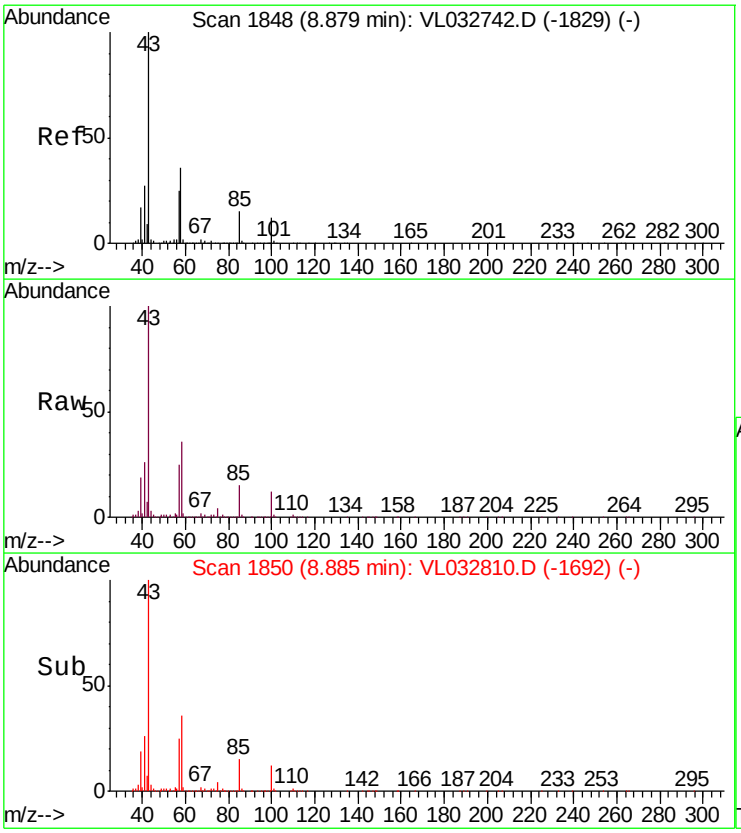
#49
Bromoform
Concen: 11.079 ppbv
RT: 13.22 min Scan# 3199
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion:173 Resp: 2040398

Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.4	59.0
171	52.5	42.0	63.0

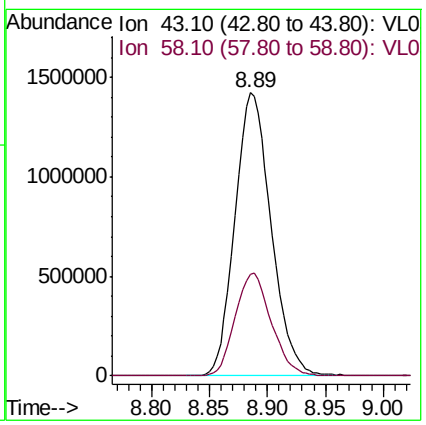


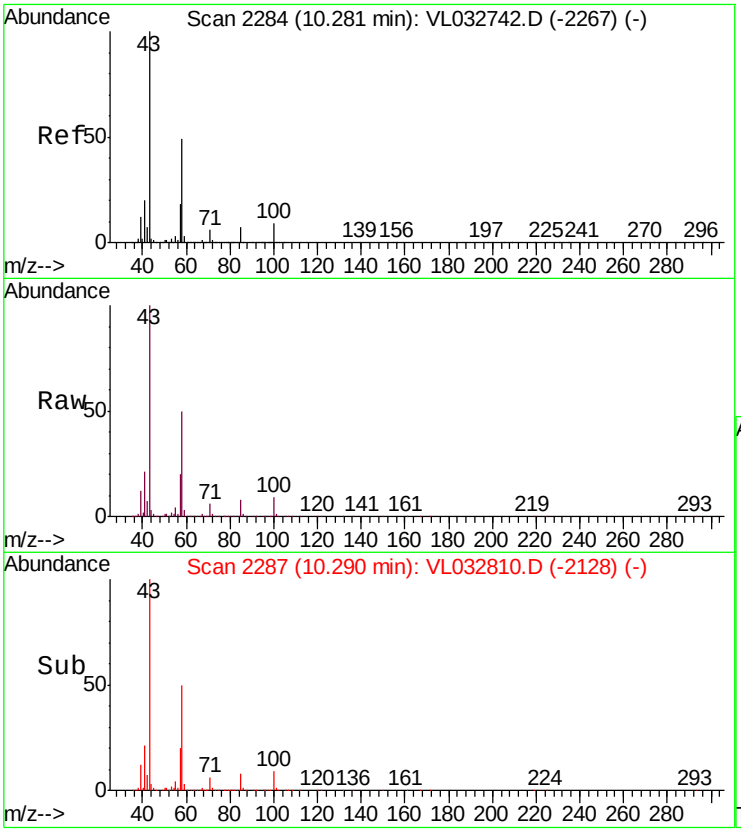


#50
4-Methyl-2-Pentanone
Concen: 10.427 ppbv
RT: 8.89 min Scan# 1850
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 43 Resp: 3089017

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.8	43.2



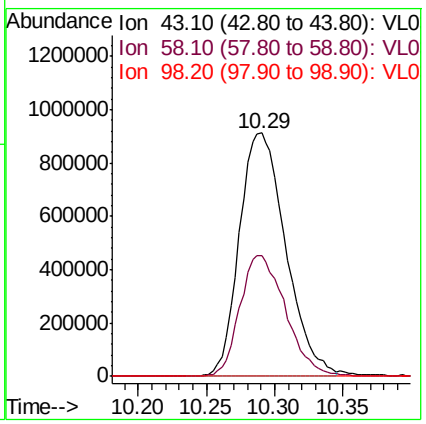


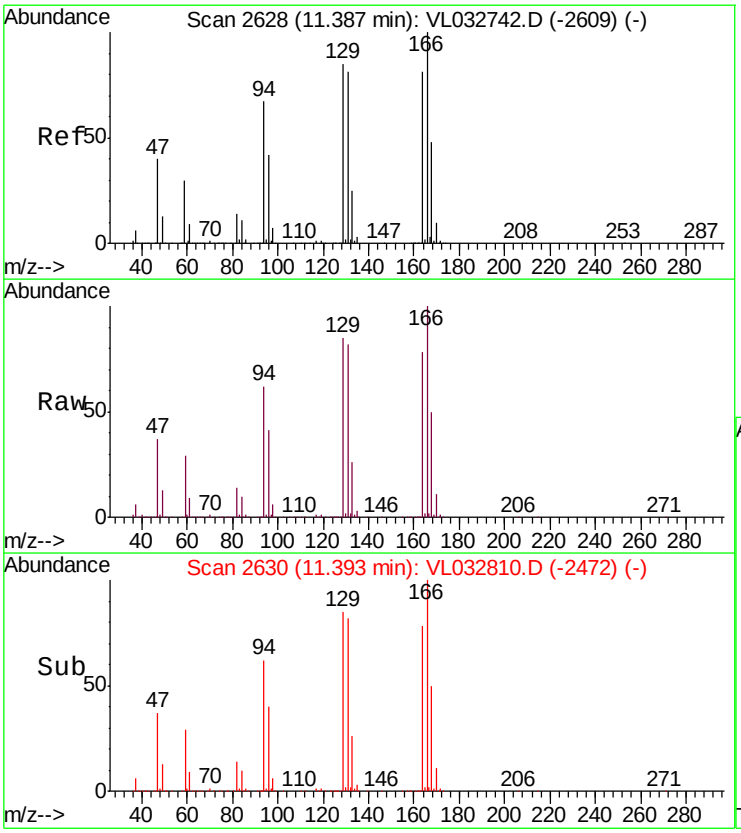
#51
2-Hexanone
Concen: 11.265 ppbv
RT: 10.29 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion: 43 Resp: 2150060

Ion	Ratio	Lower	Upper
43	100		
58	49.2	38.9	58.3
98	0.1	0.2	0.4#

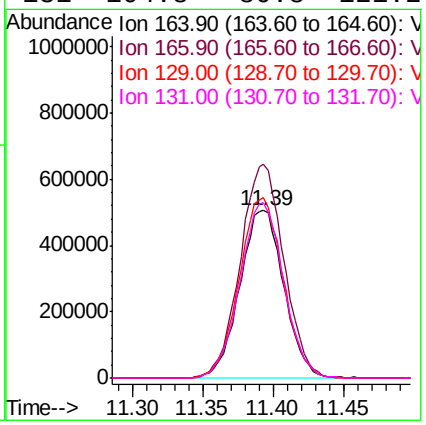


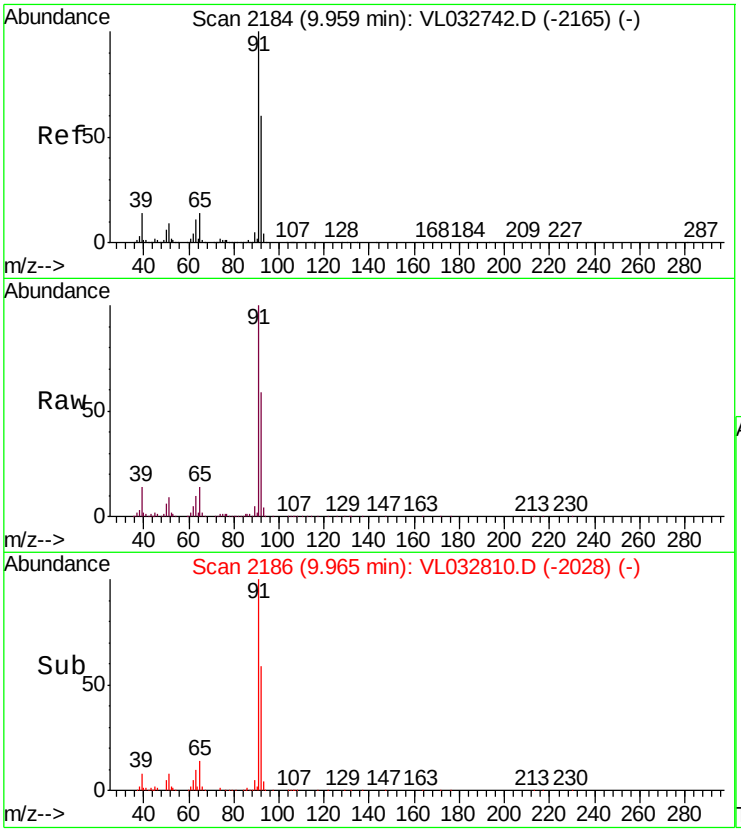


#52
Tetrachloroethene
Concen: 10.878 ppbv
RT: 11.39 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:164 Resp: 1102030

Ion	Ratio	Lower	Upper
164	100		
166	127.6	99.3	148.9
129	108.0	83.9	125.9
131	104.8	80.8	121.2



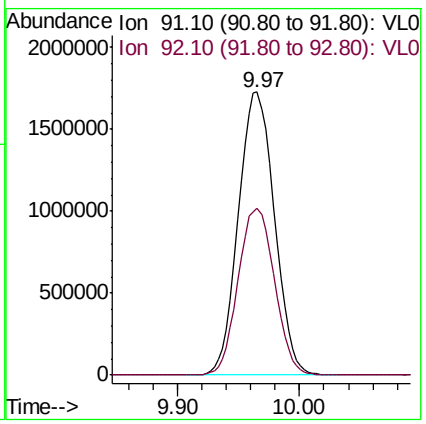


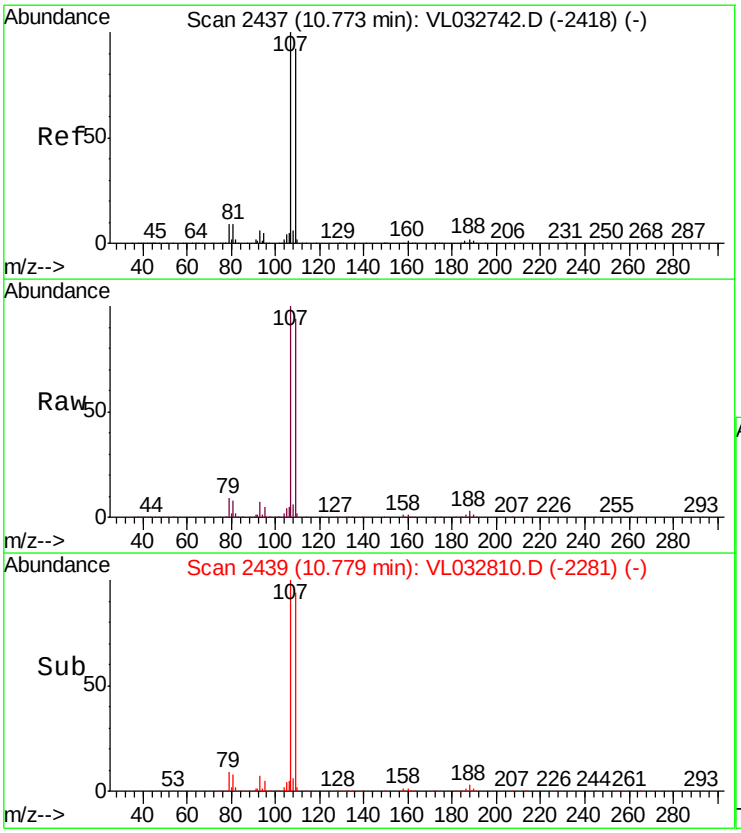
#53
Toluene
Concen: 11.635 ppbv
RT: 9.97 min Scan# 2186
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 91 Resp: 3534787

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.9	71.9

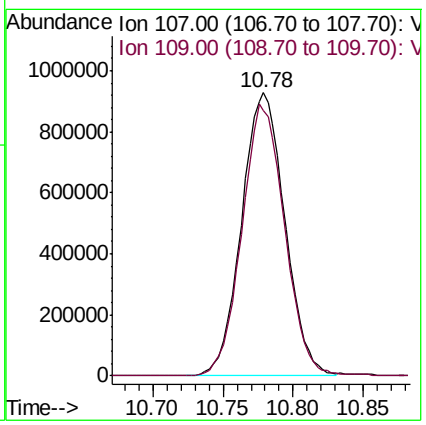


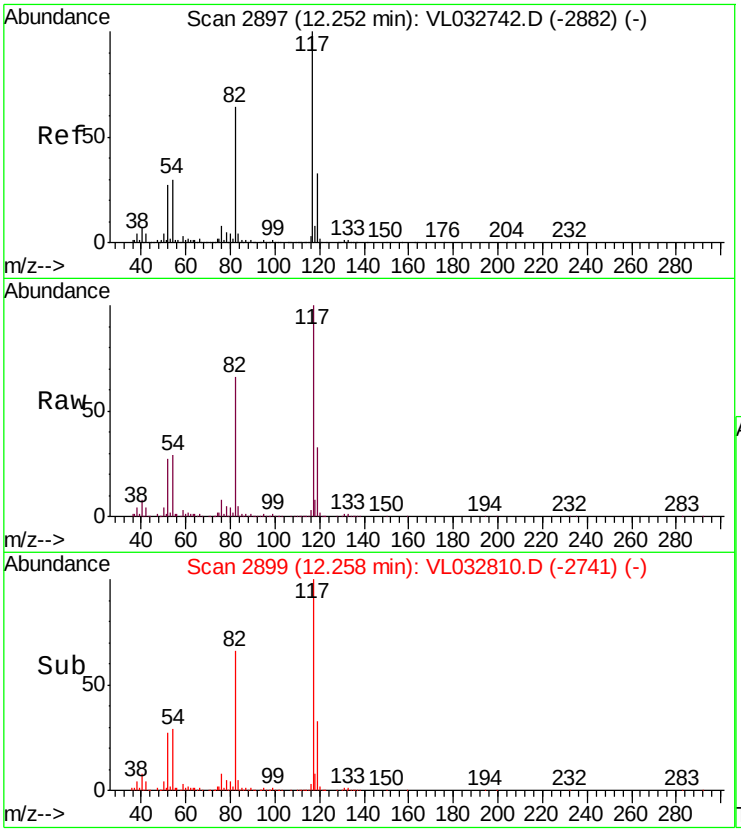


#54
1,2-Dibromoethane
Concen: 10.732 ppbv
RT: 10.78 min Scan# 2439
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:107 Resp: 1990475

Ion	Ratio	Lower	Upper
107	100		
109	93.5	73.8	110.8



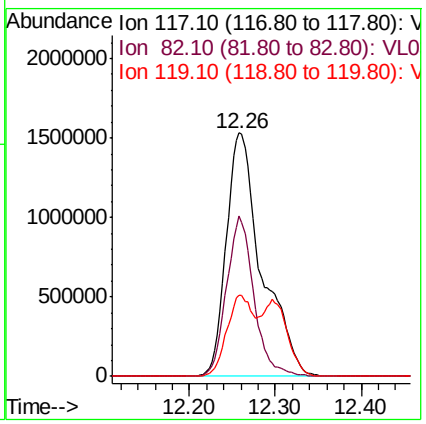


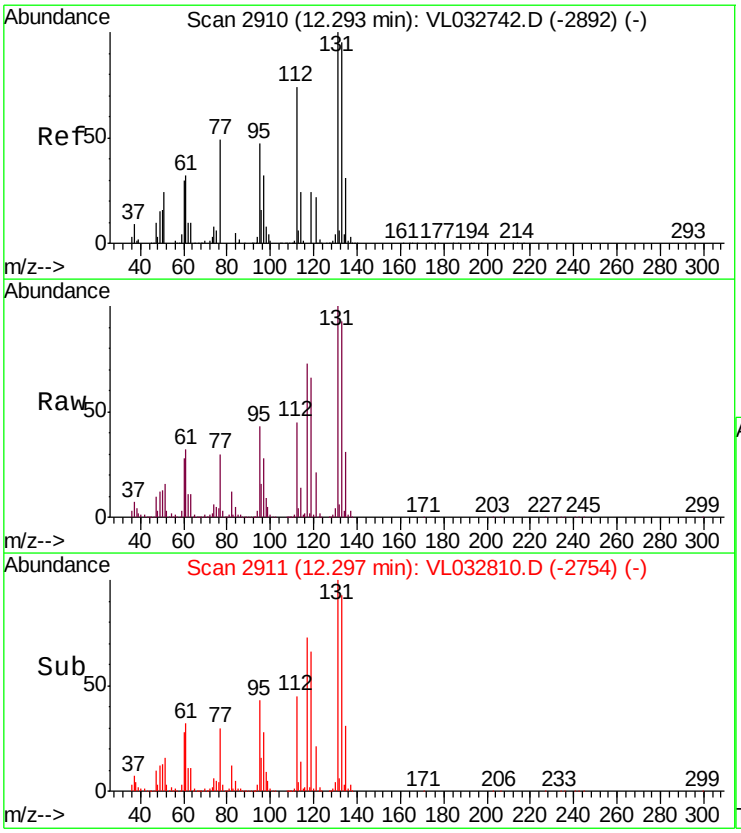
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion:117 Resp: 4400879

Ion	Ratio	Lower	Upper
117	100		
82	50.5	51.0	76.6#
119	27.5	28.0	42.0#

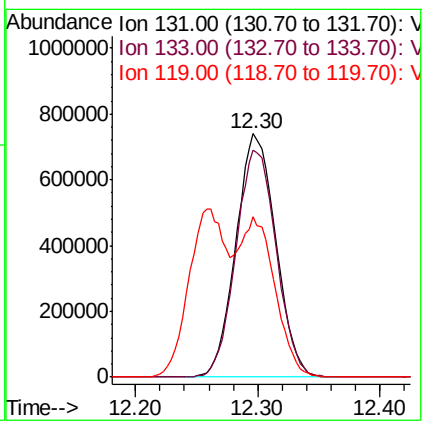


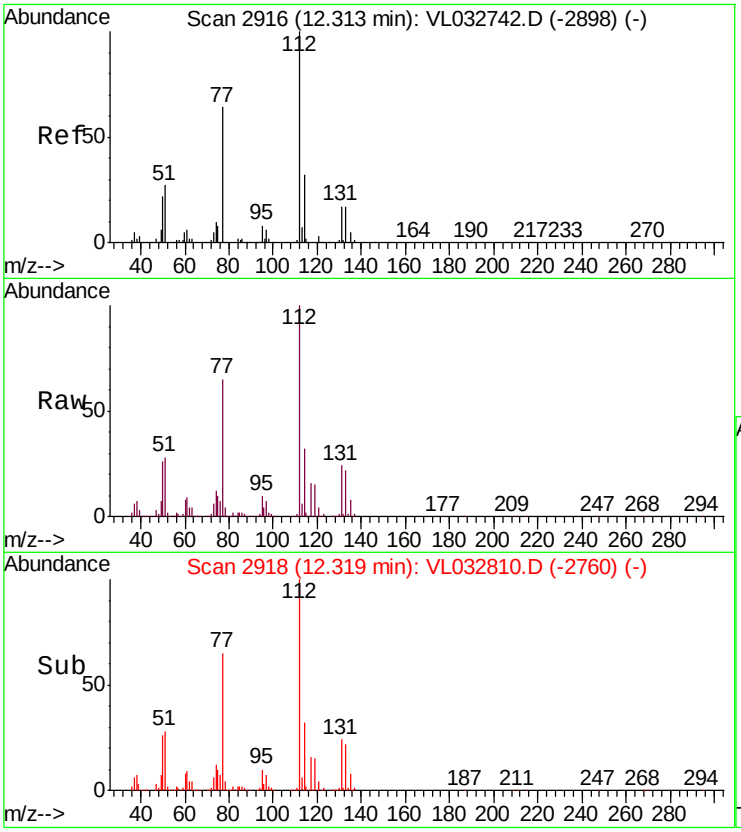


#56
1,1,1,2-Tetrachloroethane
Concen: 8.118 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:131 Resp: 1666240

Ion	Ratio	Lower	Upper
131	100		
133	94.9	75.8	113.6
119	57.7	45.2	67.8



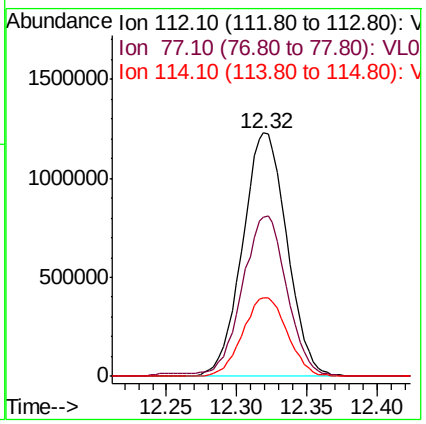


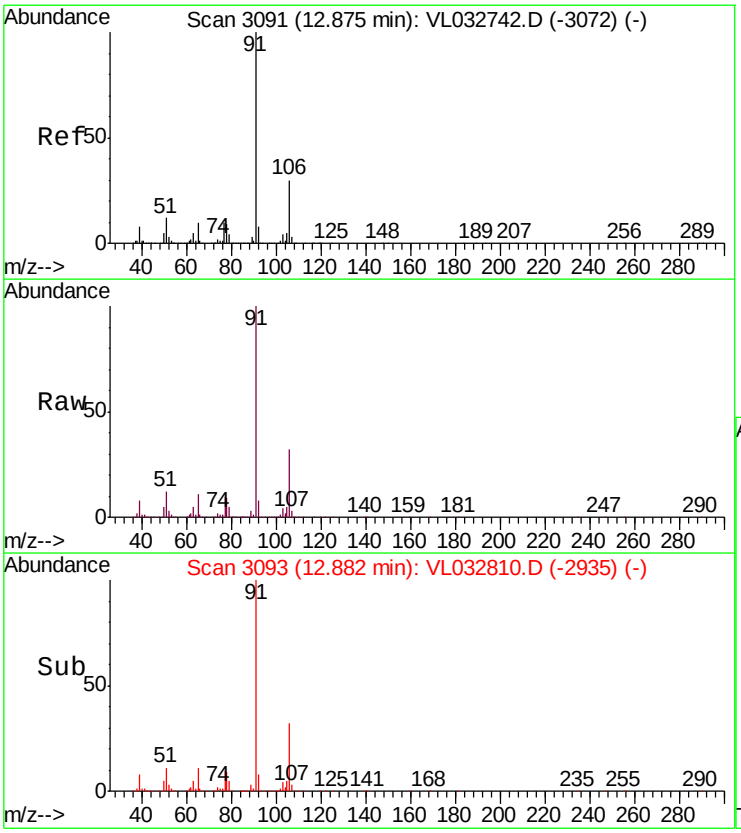
#57
Chlorobenzene
Concen: 8.018 ppbv
RT: 12.32 min Scan# 2918
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion:112 Resp: 2701276

Ion	Ratio	Lower	Upper
112	100		
77	64.7	52.3	78.5
114	32.0	28.4	34.8

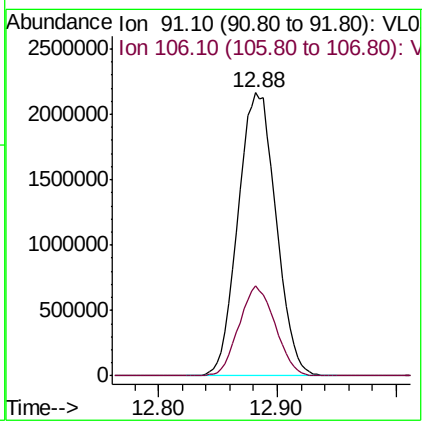


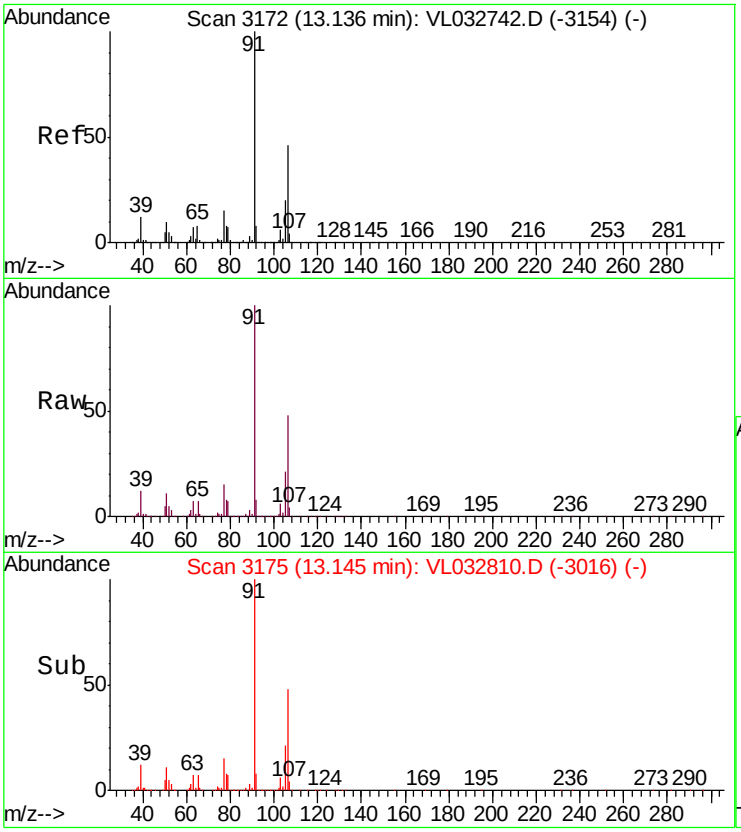


#58
Ethyl Benzene
Concen: 9.030 ppbv
RT: 12.88 min Scan# 3093
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 91 Resp: 4782609

Ion	Ratio	Lower	Upper
91	100		
106	31.7	23.6	35.4



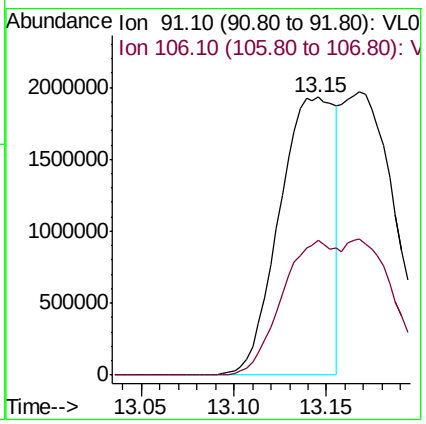


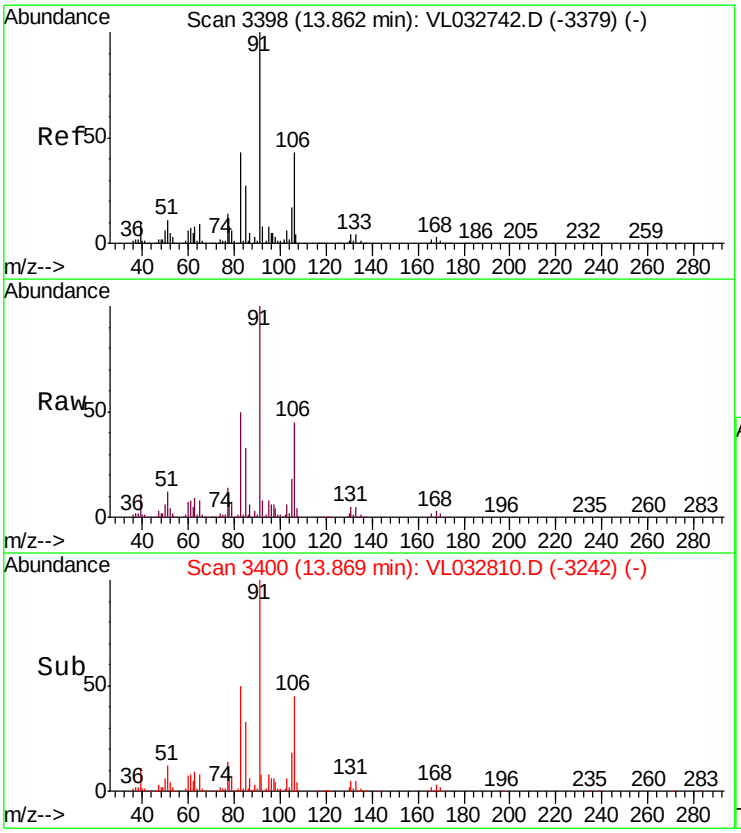
#59
m/p-Xylene
Concen: 8.533 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion: 91 Resp: 4023063

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

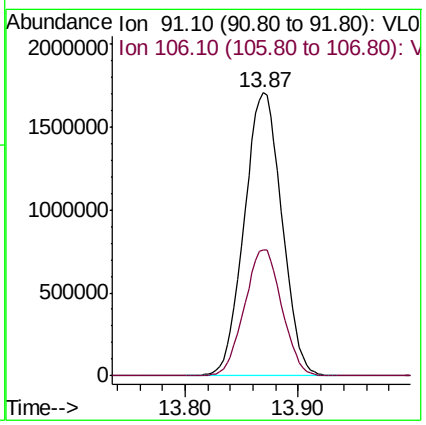


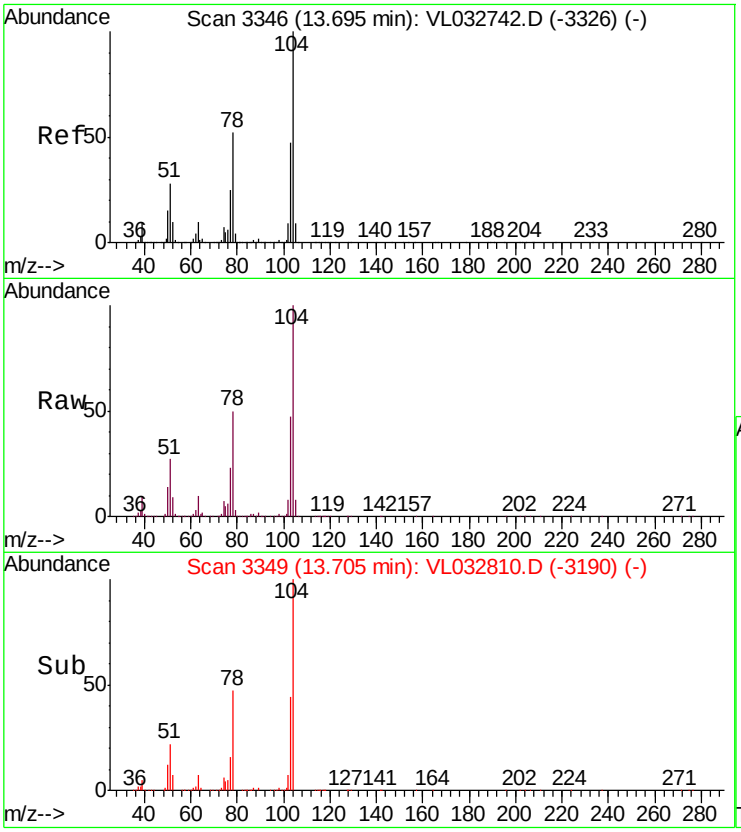


#60
o-Xylene
Concen: 8.300 ppbv
RT: 13.87 min Scan# 3400
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 91 Resp: 3934714

Ion	Ratio	Lower	Upper
91	100		
106	44.3	21.9	65.7



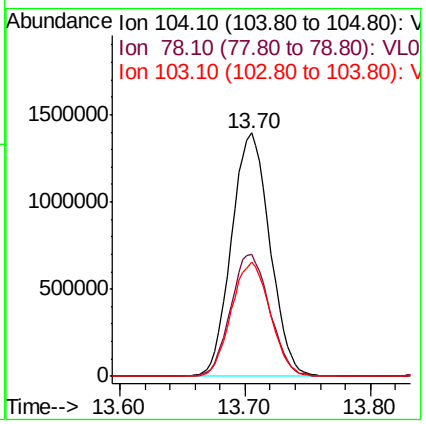


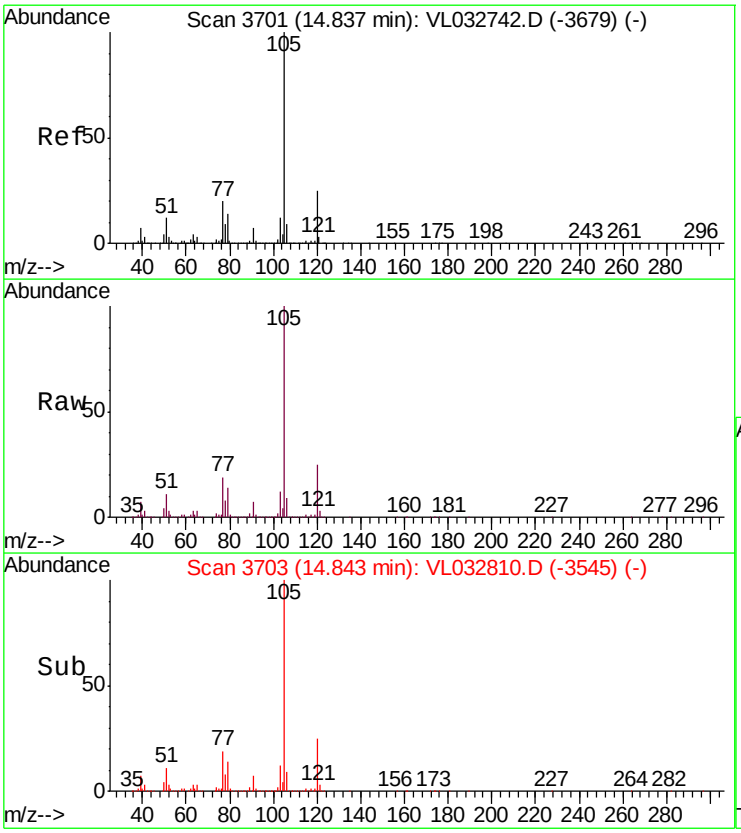
#61
Styrene
Concen: 9.589 ppbv
RT: 13.70 min Scan# 3349
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion:104 Resp: 2959276

Ion	Ratio	Lower	Upper
104	100		
78	51.2	42.2	63.4
103	47.6	38.2	57.2

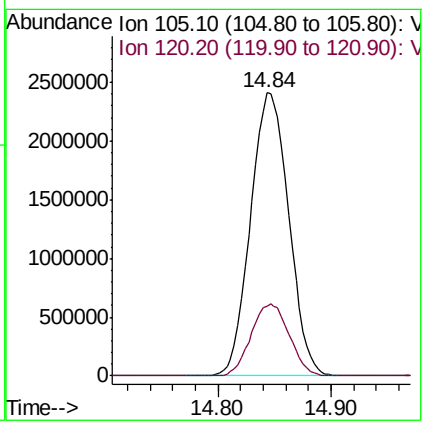


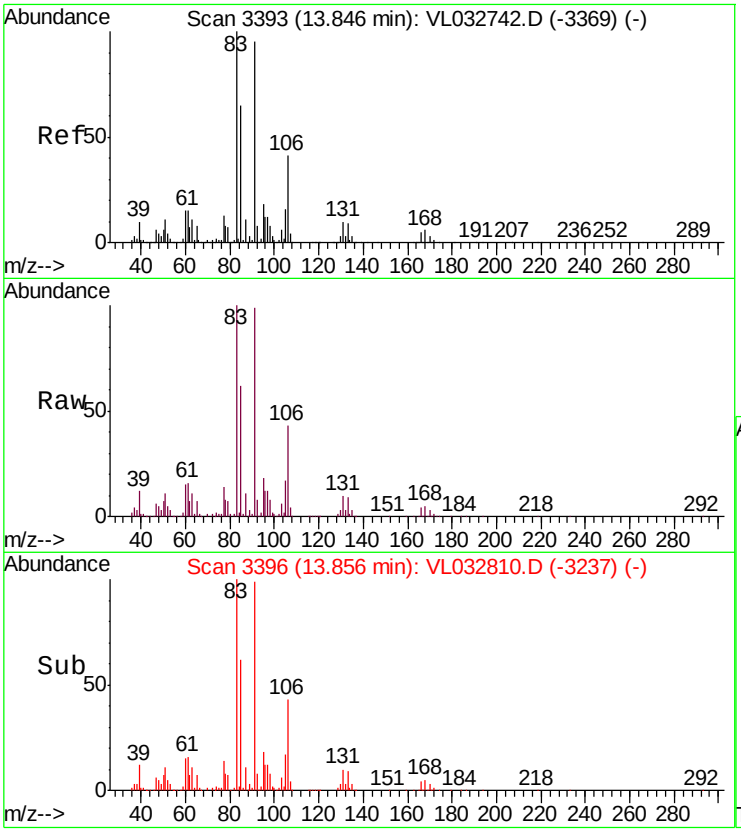


#62
Isopropylbenzene
Concen: 8.818 ppbv
RT: 14.84 min Scan# 3703
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:105 Resp: 5650631

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.1	30.1



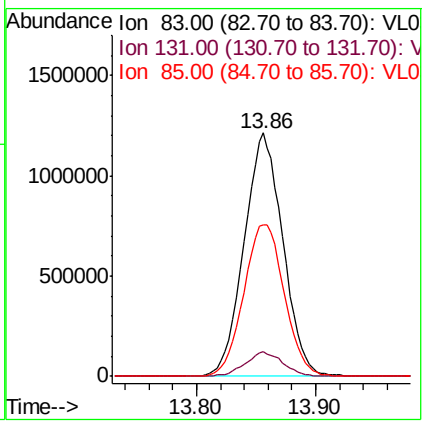


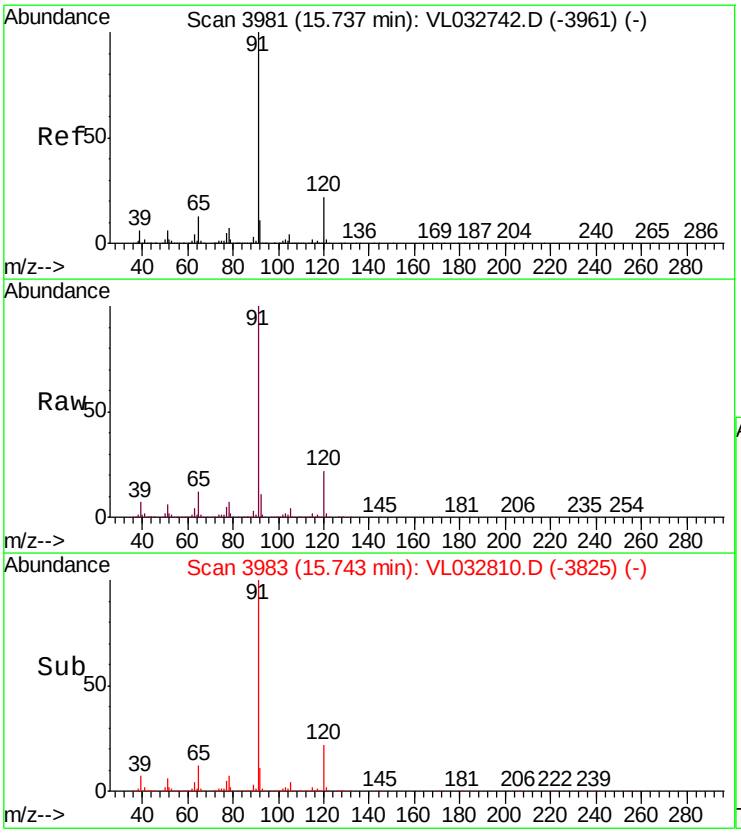
#63
1,1,2,2-Tetrachloroethane
Concen: 7.396 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion: 83 Resp: 2733142

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	65.6	32.5	97.4

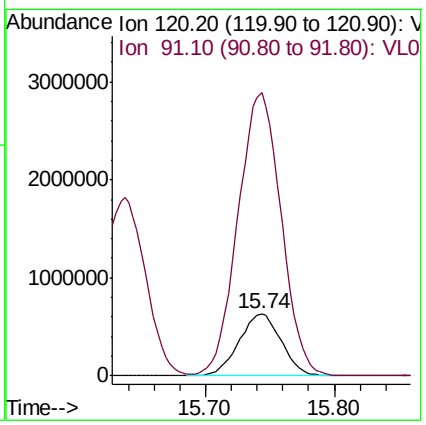


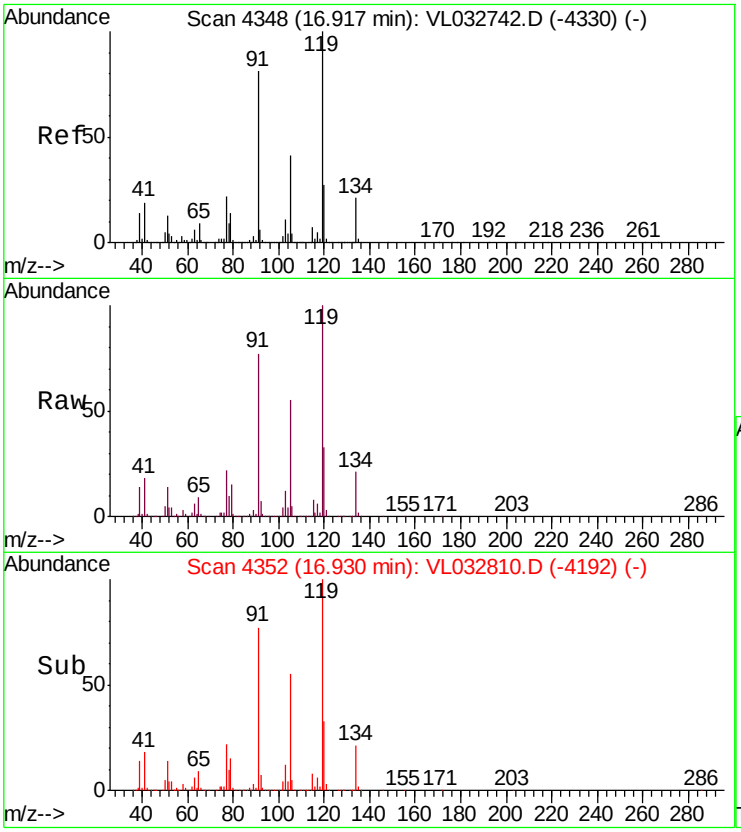


#64
n-propylbenzene
Concen: 8.554 ppbv
RT: 15.74 min Scan# 3983
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:120 Resp: 1441687

Ion	Ratio	Lower	Upper
120	100		
91	468.0	381.7	572.5



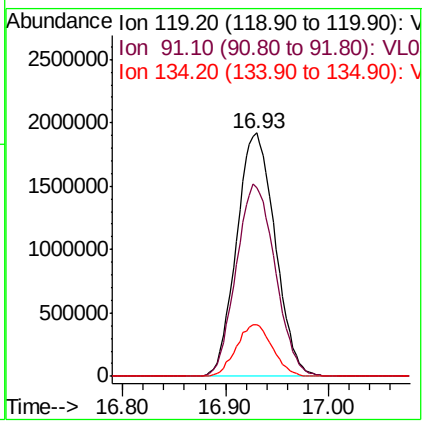


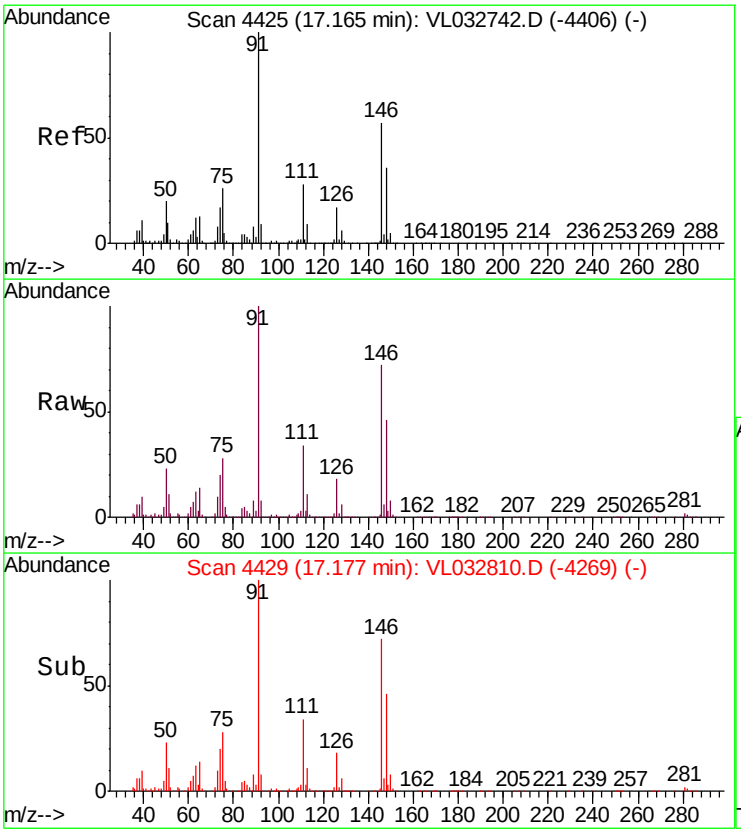
#65
tert-Butylbenzene
Concen: 8.672 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion:119 Resp: 4981299

Ion	Ratio	Lower	Upper
119	100		
91	80.0	65.6	98.4
134	20.0	15.9	23.9

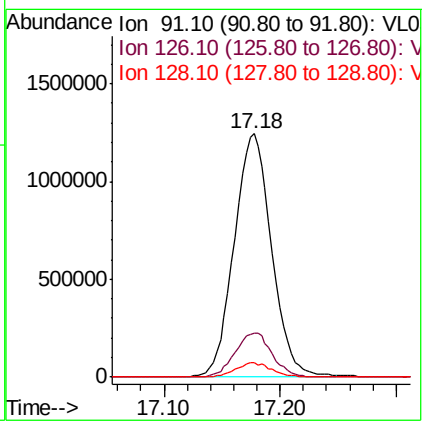


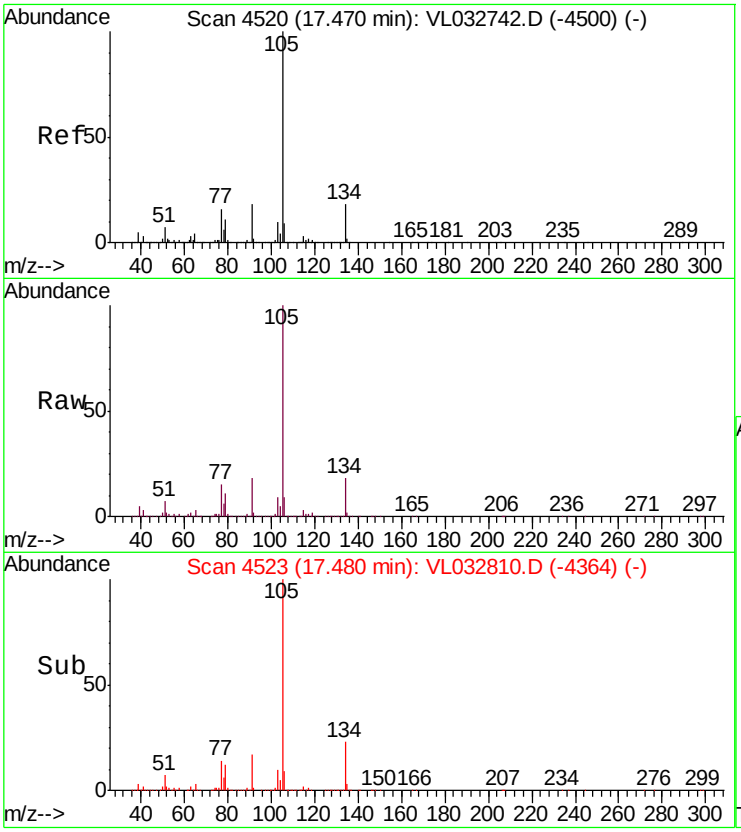


#66
Benzyl Chloride
Concen: 8.764 ppbv
RT: 17.18 min Scan# 4429
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 91 Resp: 2783164

Ion	Ratio	Lower	Upper
91	100		
126	18.1	14.2	21.2
128	5.7	4.5	6.7



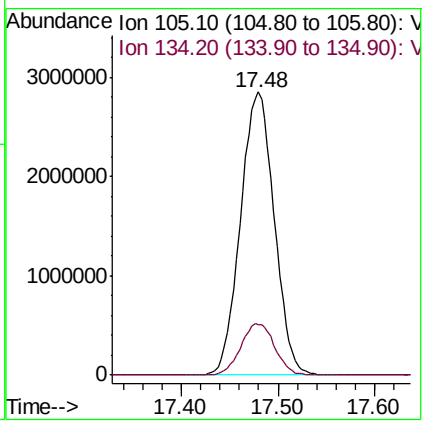


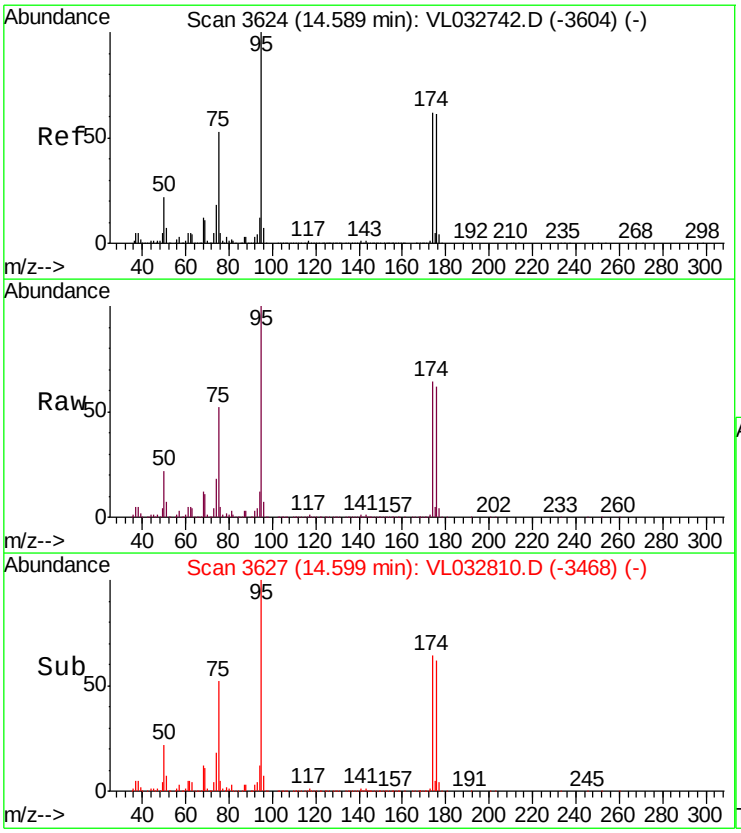
#67
sec-Butylbenzene
Concen: 8.360 ppbv
RT: 17.48 min Scan# 4523
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion:105 Resp: 6920560

Ion	Ratio	Lower	Upper
105	100		
134	18.4	14.6	21.8

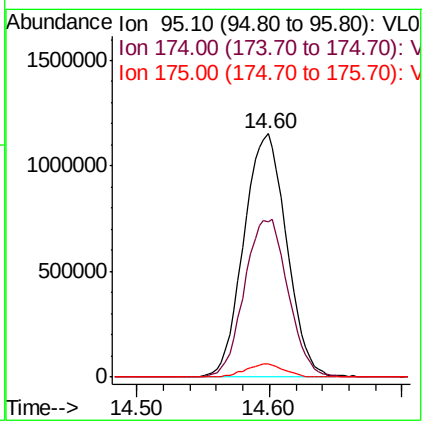


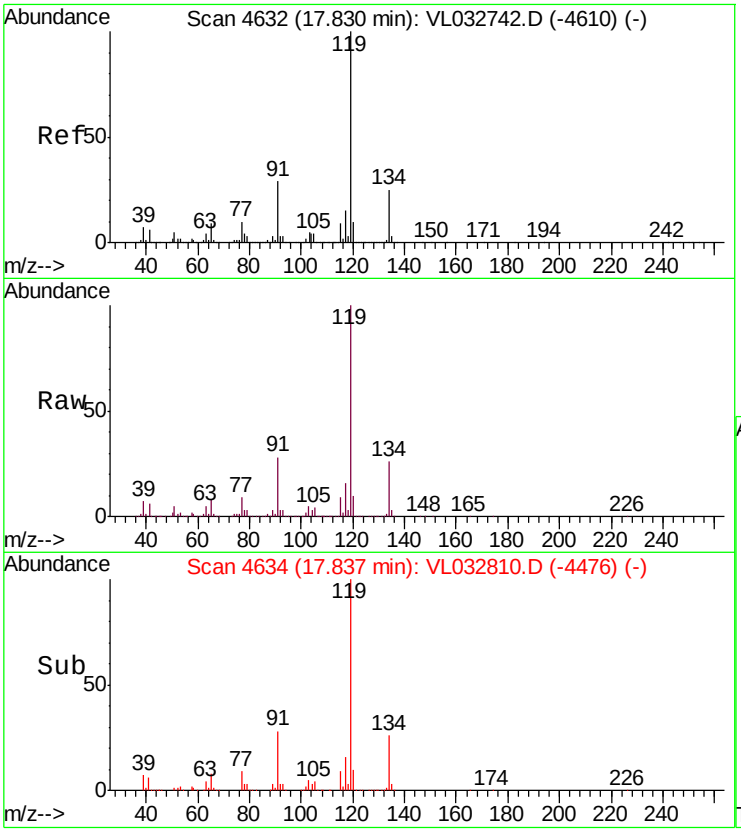


#68
1-Bromo-4-Fluorobenzene
Concen: 7.842 ppbv
RT: 14.60 min Scan# 3627
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 95 Resp: 2581382

Ion	Ratio	Lower	Upper
95	100		
174	66.3	50.7	76.1
175	5.0	3.8	5.6



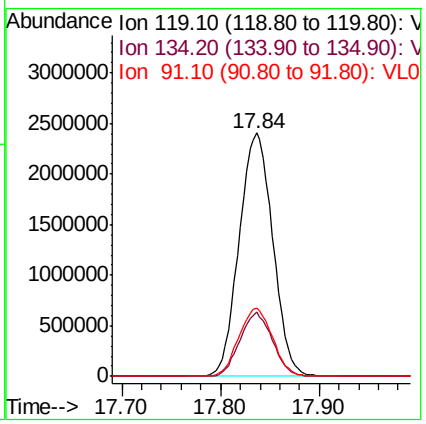


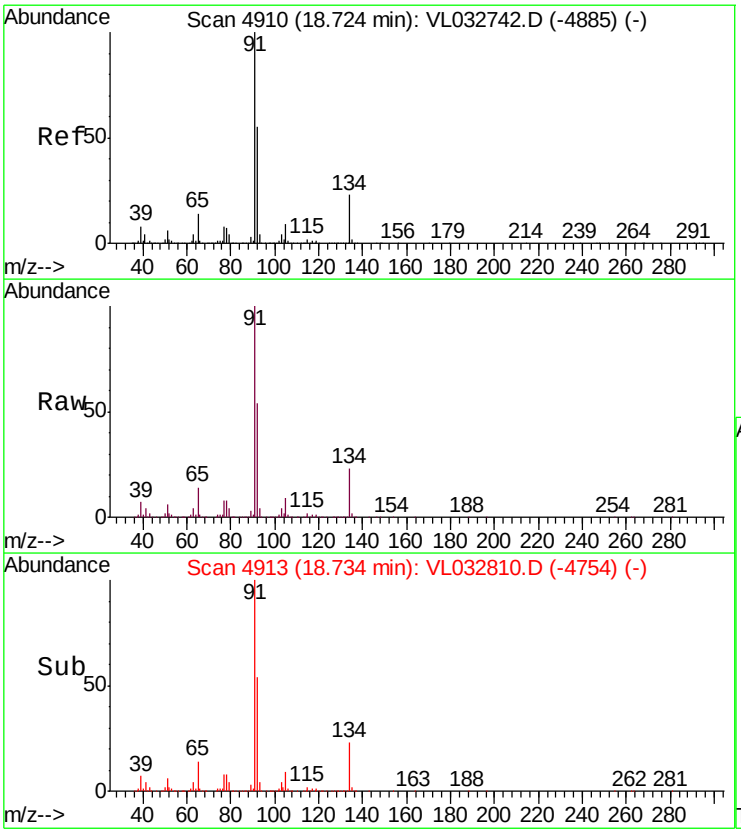
#69
p-Isopropyltoluene
Concen: 8.605 ppbv
RT: 17.84 min Scan# 4634
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion:119 Resp: 5664314

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	28.3	23.5	35.3

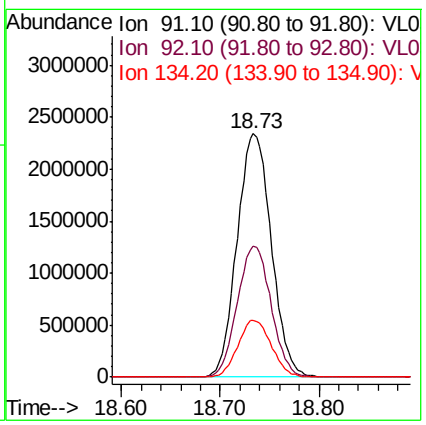


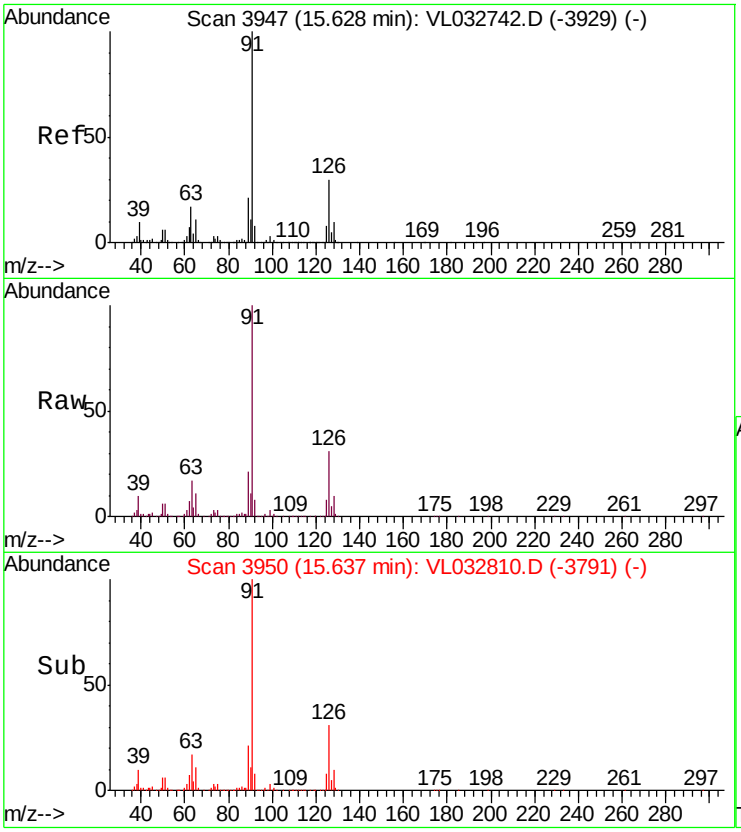


#70
n-Butylbenzene
Concen: 8.398 ppbv
RT: 18.73 min Scan# 4913
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion: 91 Resp: 5613158

Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.9	64.3
134	22.9	17.8	26.8



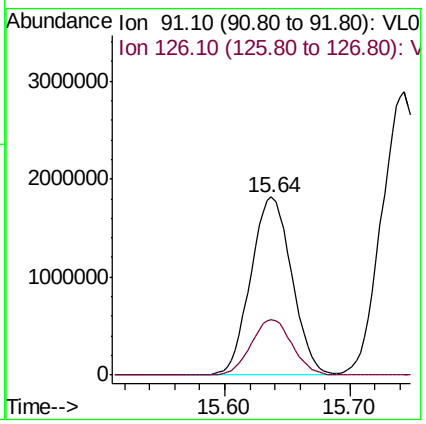


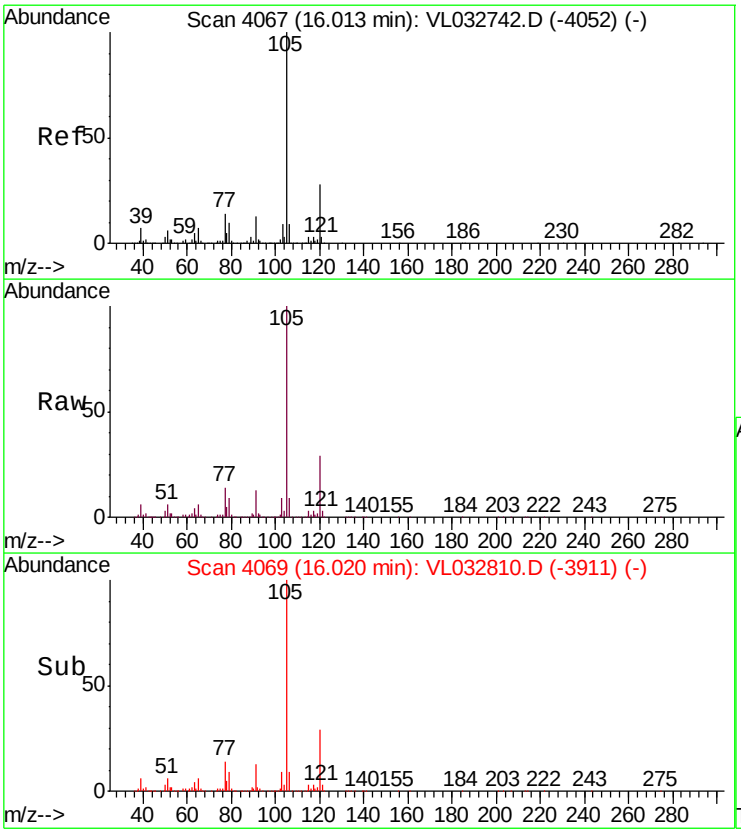
#71
2-Chlorotoluene
Concen: 8.680 ppbv
RT: 15.64 min Scan# 3950
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion: 91 Resp: 4148019

Ion	Ratio	Lower	Upper
91	100		
126	30.9	12.1	48.5

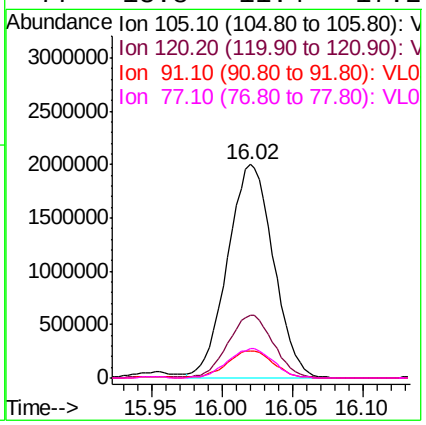


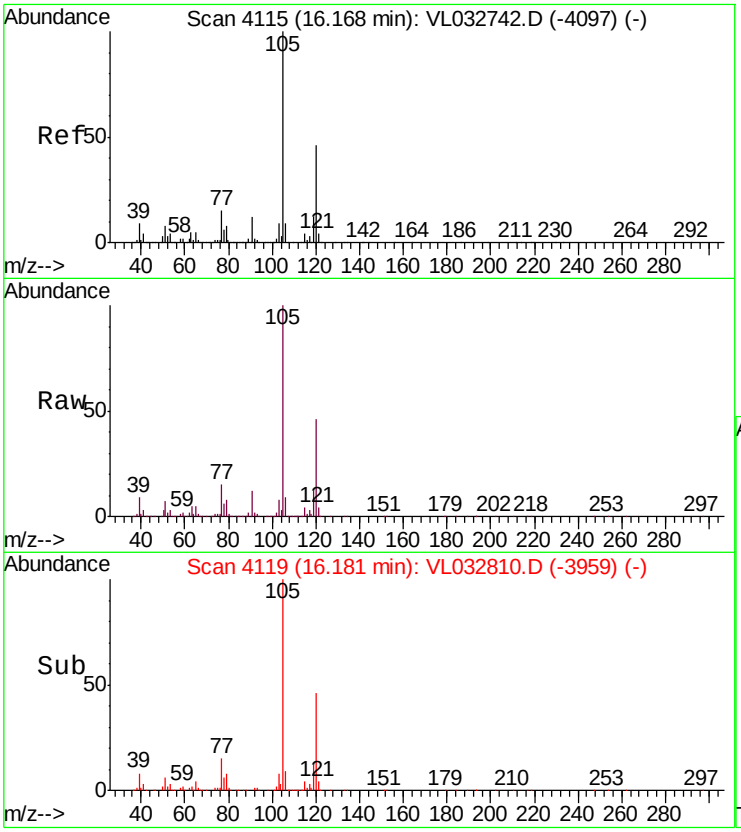


#72
4-Ethyltoluene
Concen: 8.735 ppbv
RT: 16.02 min Scan# 4069
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:105 Resp: 4538955

Ion	Ratio	Lower	Upper
105	100		
120	29.0	22.9	34.3
91	13.1	10.6	15.8
77	13.8	11.4	17.2



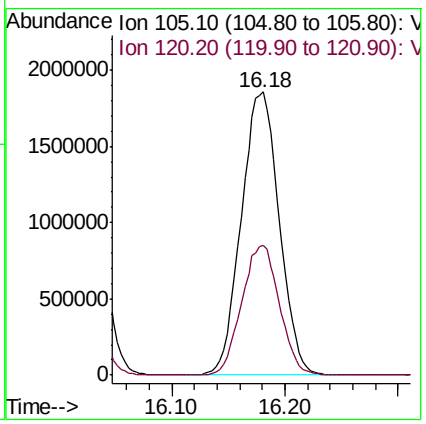


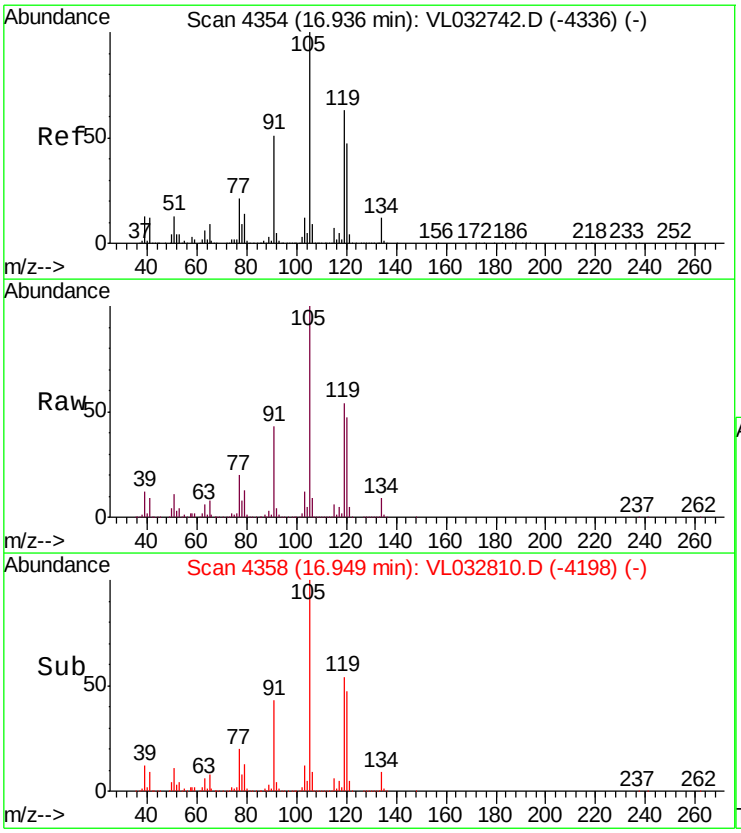
#73
1,3,5-Trimethylbenzene
Concen: 8.505 ppbv
RT: 16.18 min Scan# 4119
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion:105 Resp: 4321028

Ion	Ratio	Lower	Upper
105	100		
120	45.9	36.6	55.0

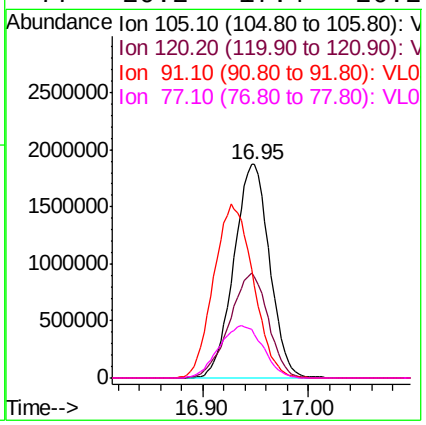


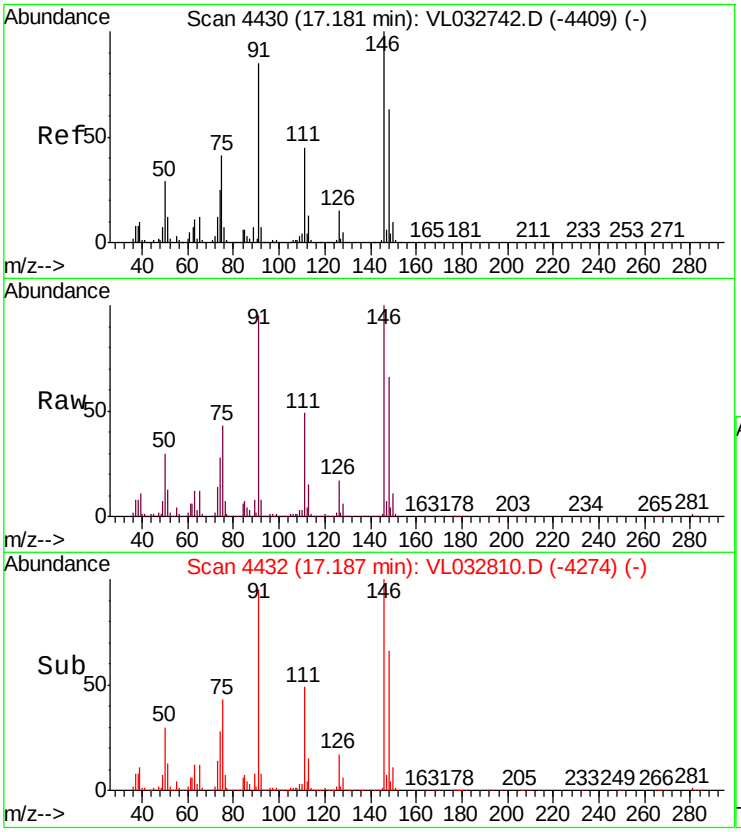


#74
1,2,4-Trimethylbenzene
Concen: 8.068 ppbv
RT: 16.95 min Scan# 4358
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:105 Resp: 4386143

Ion	Ratio	Lower	Upper
105	100		
120	47.1	37.6	56.4
91	43.0	42.5	63.7
77	20.2	17.4	26.2



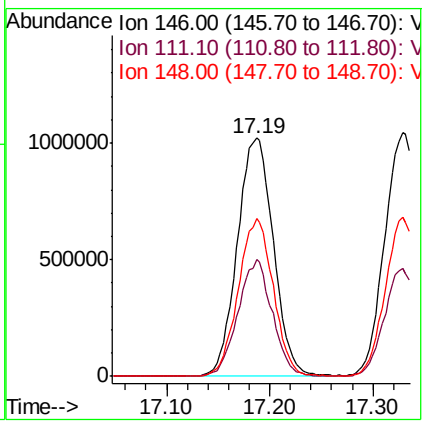


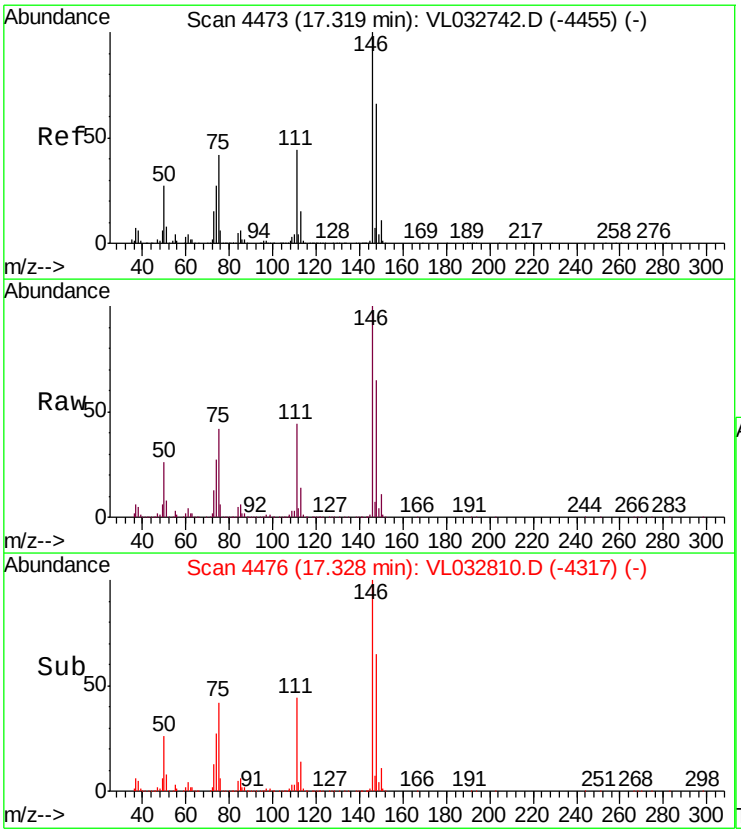
#75
1,3-Dichlorobenzene
Concen: 7.979 ppbv
RT: 17.19 min Scan# 4432
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion:146 Resp: 2488301

Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.5	70.6
148	64.1	31.8	95.3

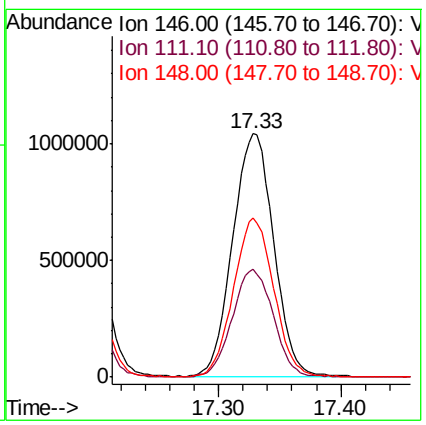


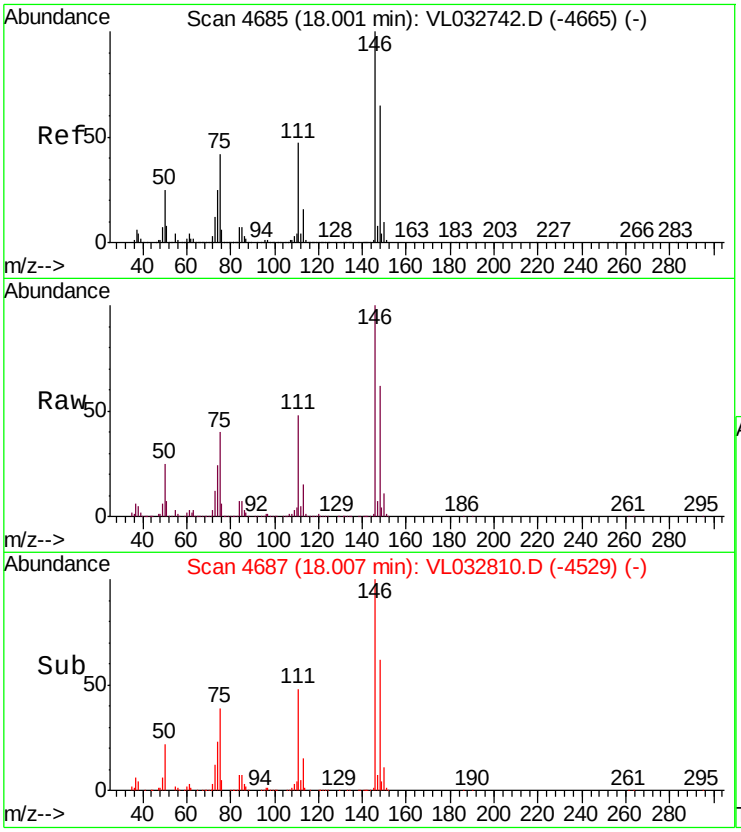


#76
1,4-Dichlorobenzene
Concen: 8.284 ppbv
RT: 17.33 min Scan# 4476
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:146 Resp: 2413074

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.5	67.5
148	64.6	32.5	97.5



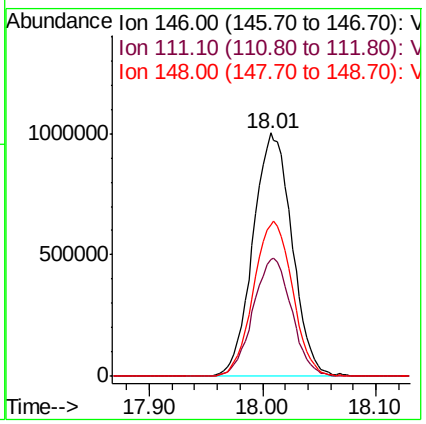


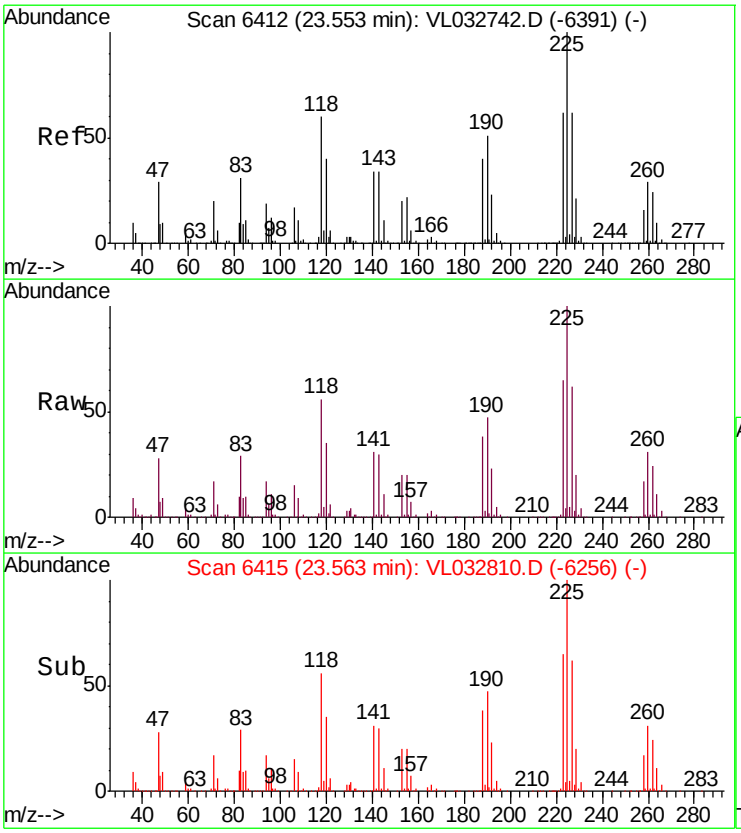
#77
1,2-Dichlorobenzene
Concen: 8.304 ppbv
RT: 18.01 min Scan# 4687
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument : MSVOA_L
ClientSampleId : VL1127ABS01

Tgt Ion:146 Resp: 2395701

Ion	Ratio	Lower	Upper
146	100		
111	48.0	24.4	73.2
148	63.8	32.2	96.6

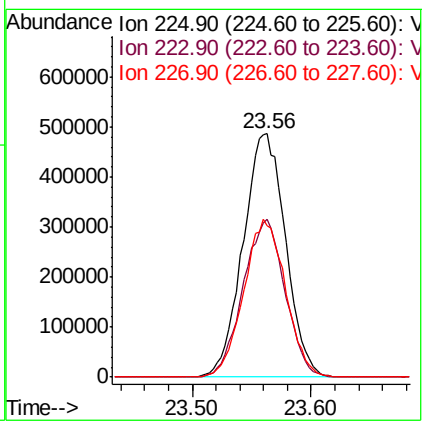


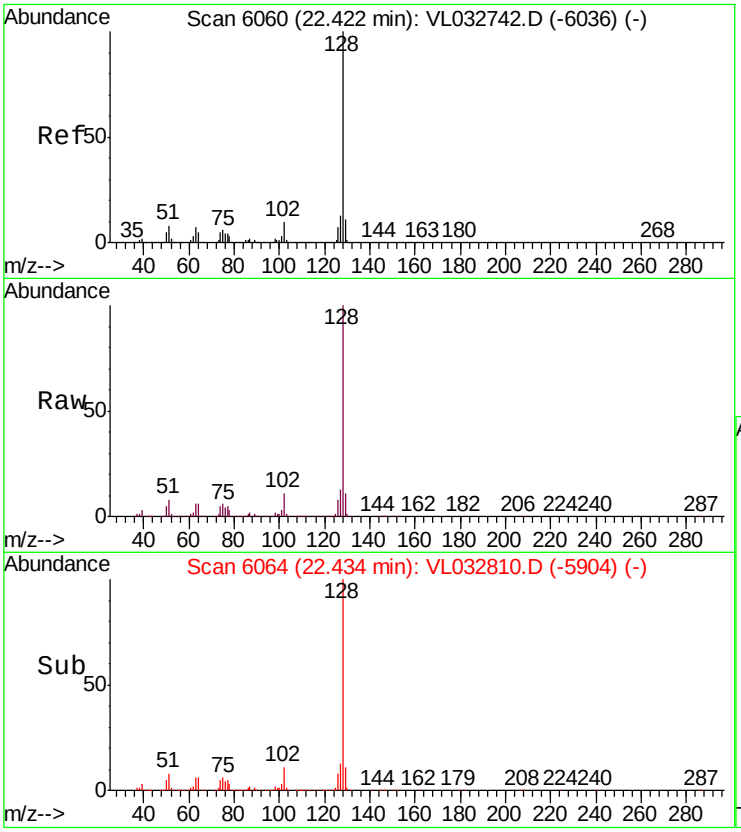


#78
Hexachloro-1,3-Butadiene
Concen: 7.714 ppbv
RT: 23.56 min Scan# 6415
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:225 Resp: 1201061

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.3	75.5
227	63.6	50.2	75.4



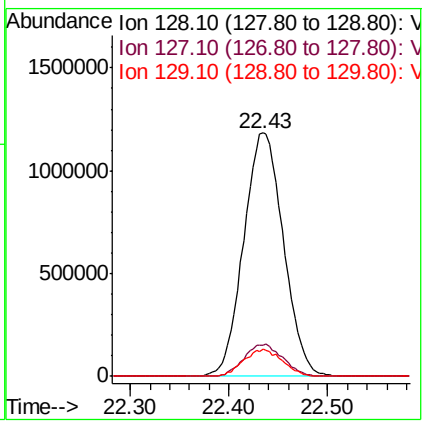


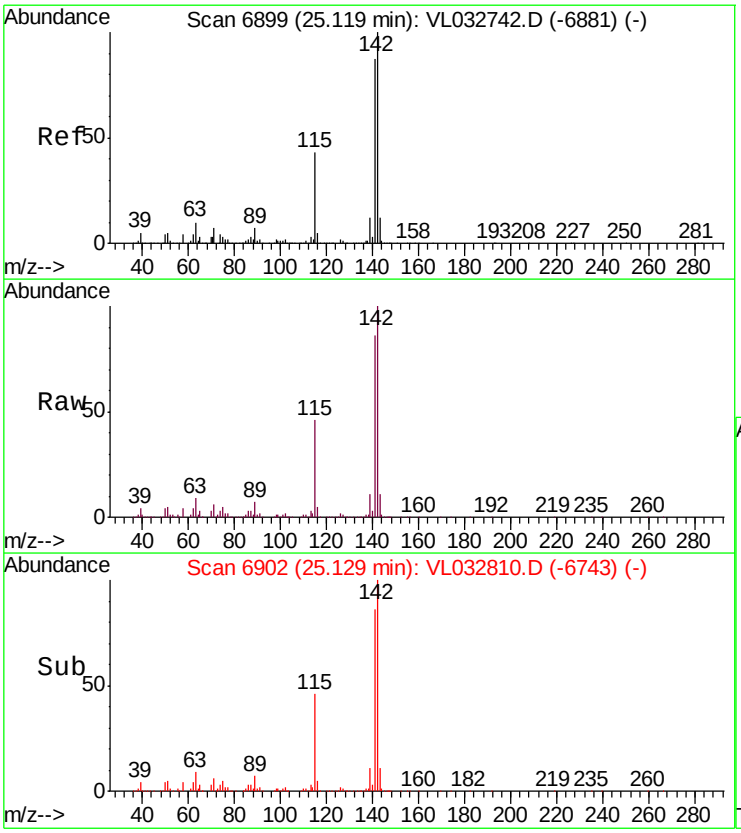
#79
Naphthalene
Concen: 9.217 ppbv
RT: 22.43 min Scan# 6064
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion:128 Resp: 3292025

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.1	8.9	13.3

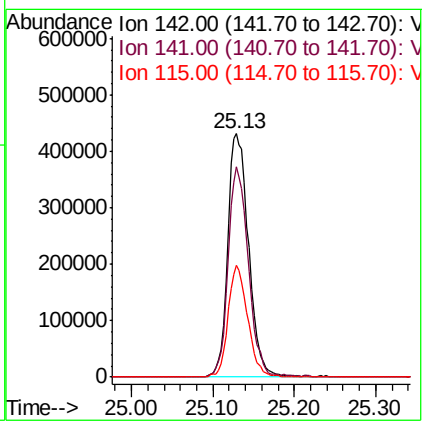


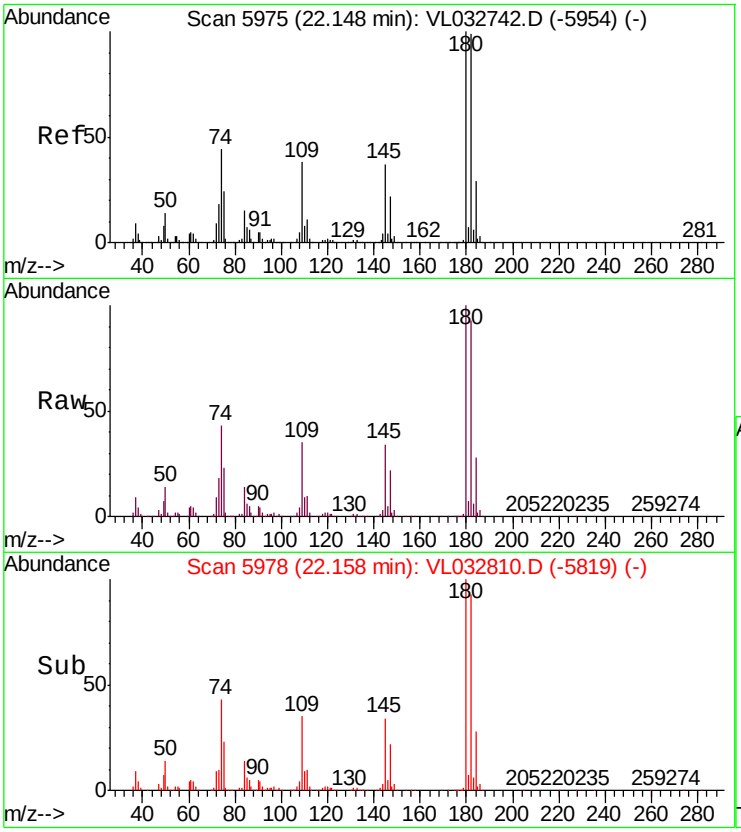


#80
Naphthalene,2-methyl-
Concen: 8.711 ppbv
RT: 25.13 min Scan# 6902
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Tgt Ion:142 Resp: 779238

Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.7	103.1
115	43.2	35.5	53.3





#81
1,2,4-Trichlorobenzene
Concen: 9.332 ppbv
RT: 22.16 min Scan# 5978
Delta R.T. 0.01 min
Lab File: VL032810.D
Acq: 27 Nov 2018 16:51

Instrument :
MSVOA_L
ClientSampleId :
VL1127ABS01

Tgt Ion:180 Resp: 1673730

Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.3	115.9
184	30.9	24.2	36.4